SONY®

XDCAM Browser
Version 1.1

Help

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Overview

XDCAM Browser allows you to work with clips created with XDCAM EX/XDCAM devices.
This software allows you to play back and confirm the content of clips and clip lists stored on SxS memory cards, Professional Discs, and hard disks, while also allowing you to copy the clips between media, and move, delete, and otherwise organize these clips.
You can also create clip lists for editing later by sorting clips or subclips which extract a section of the master clip, or by adding marks to any part of the clip.
This software supports the following clip formats.

Clip	File format	Extension
XDCAM EX format compatible clips	MP4	MP4
	DV-AVI Type2 [a), b)]	AVI
XDCAM format clips	MXF [b)]	MXF

a) Referred to in this manual as "DV-AVI clips" or "DV-AVI files".
b) Some functions are not supported.

Notes

Media (such as SxS memory cards) that contains HQ 1440 clips or DV-AVI clips is not recognized as usable media by the PMW-EX1/EX3/EX30.

Operating Window Configuration

The default configuration of the operating windows is as follows.

Window configuration can be customized depending on the intended use.
See Customizing window configuration for more information.
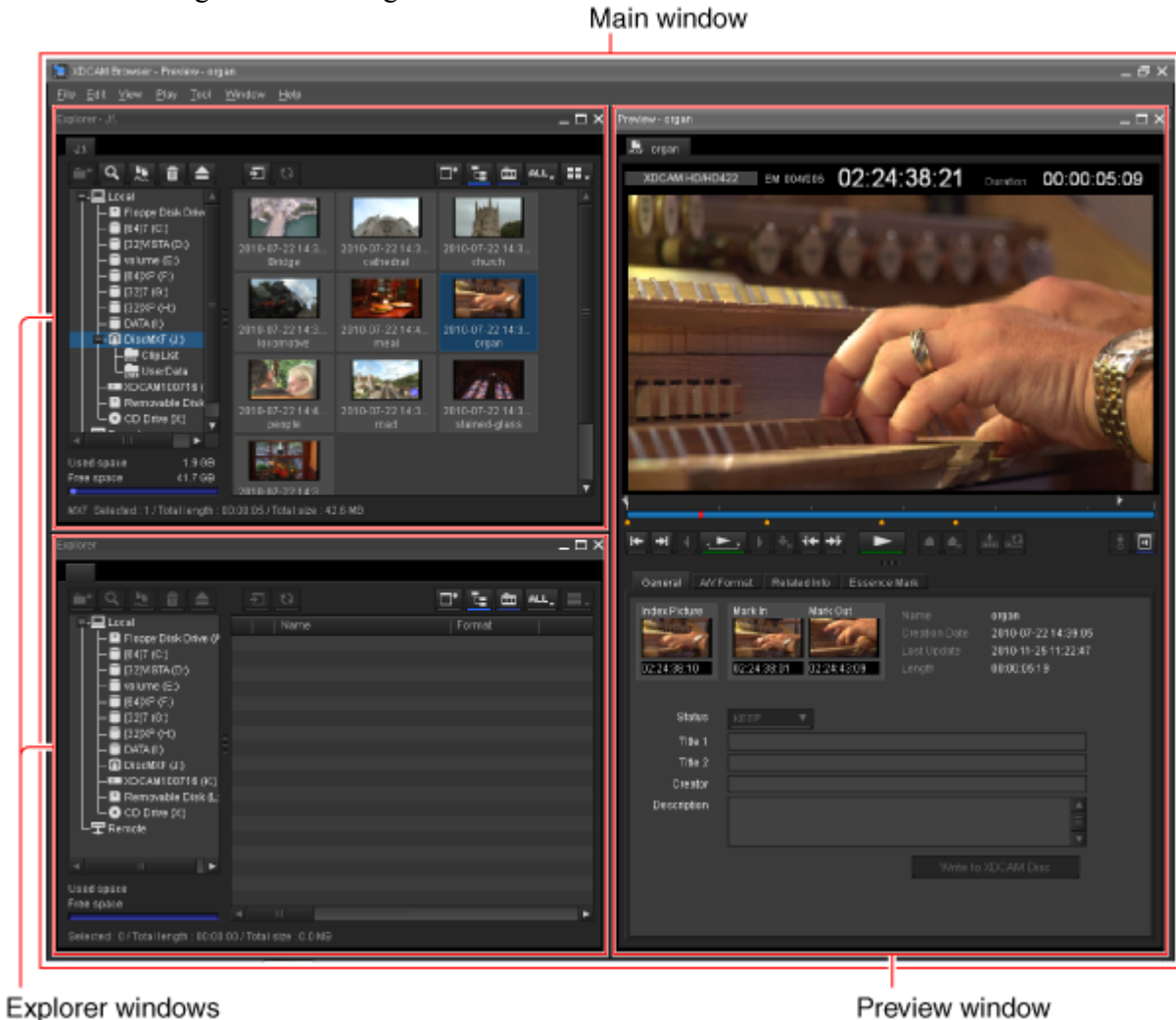
Main window

This is the main window of the application. It contains Explorer windows and Preview windows.
The title bar displays the name of this application, followed by the title of the active window inside the main window frame (Explorer or Preview).
The menu and menu items in the menu bar change depending on the window inside the main window frame (or the active window, when more than one window is open).
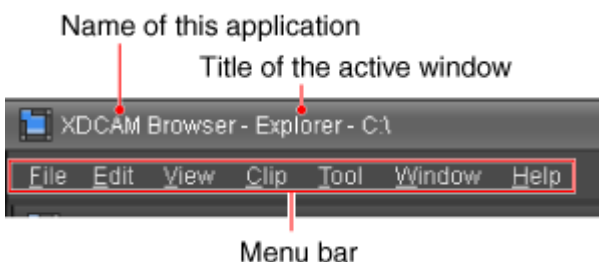
Explorer Windows

See Explorer windows for more information.

Preview Windows

See Preview windows for more information.

Offline Media Window

Display the Offline Media window when performing operations using proxy data (low resolution data) from a Professional Disc.
See Offline Media window for more information.

Storyboard Window

Display the Storyboard window when you edit the clip lists.
See Storyboard windows for more information.

Explorer Windows

Explorer windows are where you operate on clips (files) and folders, and where you check clip metadata. You can operate on XDCAM EX/XDCAM format folders and media.
You can have up to ten Explorer windows open at one time. When you have more than one window open, you can convert them into tabs on one window.

Tab
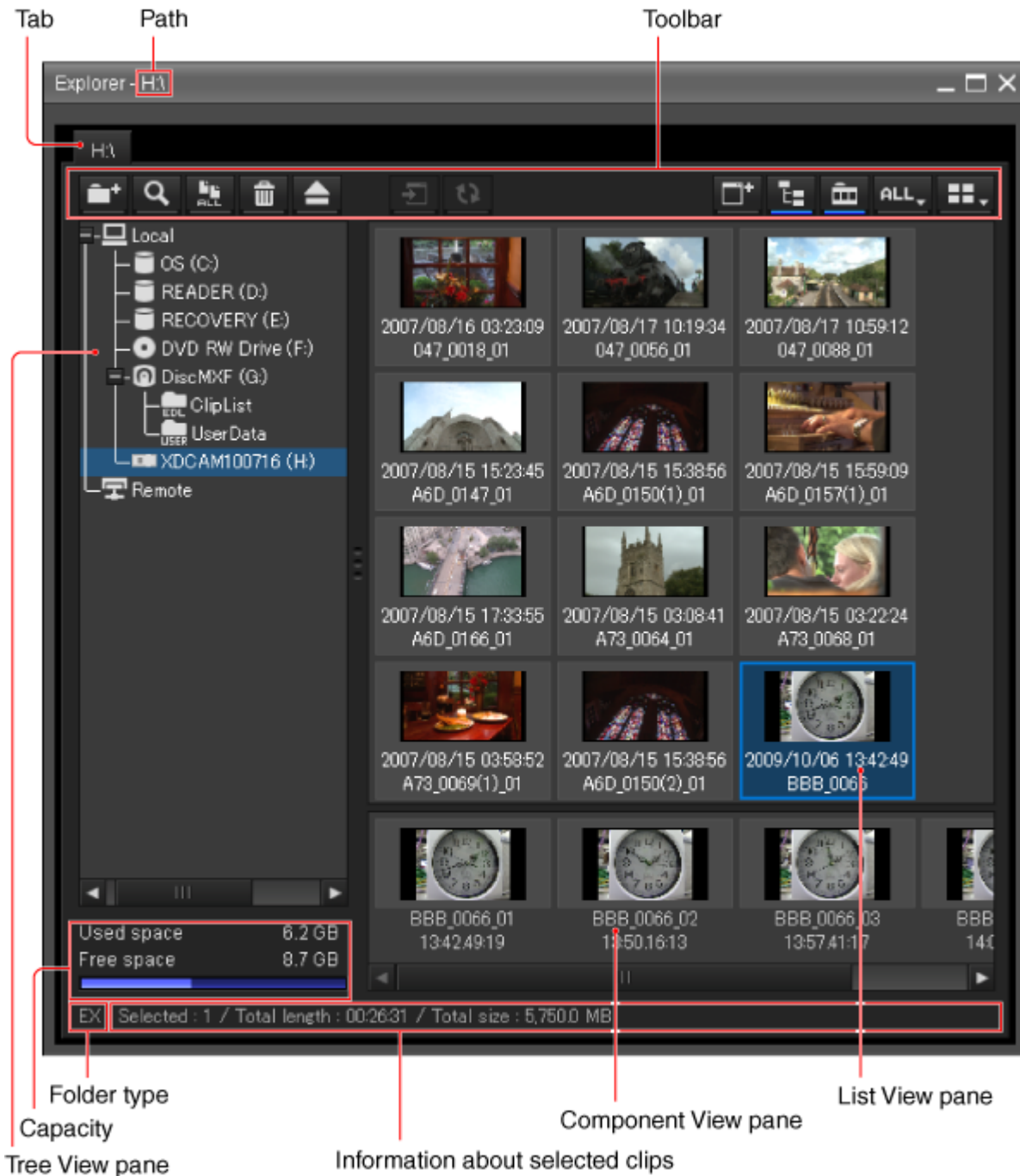
The tab displays the name of the media or folder that is selected in the Tree View pane.
When two or more Explorer windows are open, you can drag and drop the tab on another window to convert this window into a tab on the other window.
See Customizing the window configuration for more information.

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Path

This is the full path to the media or folder that is selected in the Tree View pane.

Toolbar

Contains tool buttons for operations on clips and folders.

New Folder

Creates a new folder in the currently selected media or folder.
See Creating folders for more information.

Find

Opens the Find dialog.
See Searching for clips for more information.

Copy All

Copies all of the clips in the selected media or folder to a new folder. This application creates the new folder automatically.
See Copying clips for more information.

Delete

Deletes the selected clip, clip list, or folder. See Deleting clips and clip lists or Deleting folders for more information.

Eject Media

When an XDCAM drive or SxS memory card drive is selected in the Tree View pane, ejects the media or puts it into a state in which it can be safely removed.
The operations that are executed or enabled when you click this button vary depending on the target drive.

Drive (media)	Executed or enabled operation
XDCAM EX device (SxS memory card)	The USB connection is terminated. You can remove the USB cable or power the device off.
ExpressCard slot (SxS memory card)	The connection is terminated. You can remove the memory card.
Card reader (SxS memory card)	You can remove the memory card. [a]
XDCAM device (Professional Disc)	The disc is ejected. [a]

a) Before removing a connection cable or powering a device off, use the [Safely Remove Hardware] function of the operating system to remove the device.

Copy to Offline Media

Copies clips or media selected in Professional Disc to offline media folders. See Loading clips and clip lists from Professional Discs for more information.

Update Editing Results

This cannot be used in this window.
See Offline Media window for more information.

Open Offline Media

Opens offline media windows.
See Offline Media window for more information.

Display/Hide the Folder Tree

Allows you to display or hide the Folder Tree pane.

Display/Hide Component View

Allows you to display or hide Component View.

Display Filter

Filters the display of XDCAM EX clips by file format (showing all clips, MP4 clips, or DV-AVI clips).

List Display

Switches the clip view mode (thumbnails/details).

Tree View pane

Displays a tree of folders stored on media inserted in locally or remotely connected XDCAM devices, as well as folders stored on the computer.

Local: Displays a tree of media and folders located beneath My Computer.

Remote: Displays media from XDCAM devices connected via the network.

The following icons represent the type of the media or folder.

Icon	Type of media or folder
	Hard disk drive
	CD, DVD, or Blu-ray Disc drive
	XDCAM drive
	XDCAM device connected via FTP
	SxS memory card drive
	SxS memory card drive that requires salvaging
	Mass storage device (removable drive) connected by USB
	Mounted network drive
	Normal folder, not managed by this application
	Folder with EX attributes
	Folder with MXF attributes
	Folder with clip list attributes

The Tree View pane supports the same kinds of operations as the folder tree view of your operating system.

You can show or hide folder contents by clicking the Folder Tree Display/Hide button on the toolbar.

Notes

- When you select a media item, a message may appear saying that salvage is required, and that you should salvage the media on the device that recorded it. This message appears when the data is defective, typically because the XDCAM device was powered off or the media was ejected too soon during recording. Return the media to the XDCAM device and salvage it immediately. The data may become unrecoverable if you continue to operate without salvaging it.

- Depending on the Windows desktop theme, some characters may fail to appear in list view. But this has no effect on operations by this application.

Capacity

Displays the used capacity and remaining capacity of the media selected in the Tree View pane.
The remaining capacity is shown as a numeric value and as a bar graph.

Folder type

Displays the type of the folder being selected in the Tree View pane.
EX : Folder with EX attributes
MXF : Folder with MXF attributes

Information about selected clips

Displays information on clips or clip lists selected in the List View pane (number of selected clips or clip lists, total length of clips or clip lists, total size (clips only)).
Notes
The total length of clips and total lengths of clip lists are approximate values, so take them as an approximate guide.

Component View pane

Displays the component files of a clip in temporal order.
To display this pane, select [Component View] from the [View] menu, or click the Show/Hide Component View button in the toolbar.
When a single DV-AVI file is selected in the List View pane, this pane displays thumbnails of the clip's component files.
Notes
- This pane displays the component files of DV-AVI clips only.
- Copy, delete, and other file operations are not supported in the Component View pane.

List View pane

See List View pane (Explorer windows) for more information.

List View Pane (Explorer Windows)

Displays clips and clip lists stored in media or folders that are selected in the Tree View pane, or subclips included in clip lists. You can select one of the following view modes.

Thumbnail view :
Displays an index picture of the clip, clip list or subclip (the first frame if not set, or the In point if it is a subclip) and attributes (Creation Date and clip or clip list name are default attributes). Thumbnail View cannot be selected for remotely connected drives.
Displayed attribute items can be changed. See Display tab for more information.
Details view: Displays an icon indicating the type and status of the clip, as well as the name of the clip and its properties.

Switching display modes.

Do one of the following.

- Select [Thumbnails] or [Details] from the [View] menu.
- Click the List View button in the toolbar, and then select [Thumbnails] or [Details].

Marks and icons in the List View pane

A mark indicating clip status is displayed on each thumbnail or icon in both view modes.
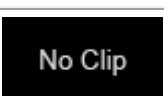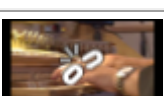
For Details View mode

Icon / mark	Description
	MP4 file
	DV-AVI file
	MXF file
	Proxy file of MXF file
	Clip list file
	Files with OK status [a)]
	Abnormal file (without data, cannot be decoded, etc.)
	A file in which some of the video cannot be displayed. However, the video that can be displayed is handled like a normal file, and clip operations are supported.

a) Clips with OK status can be moved or deleted by this application.

For Thumbnails View mode

Thumbnail display example	Description
	Normal clips, and clip lists
	Clip with OK status [a)]

	The first part of a clip that spans several media discs or memory devices. [b]
	The middle part of a clip that spans several media discs or memory devices. [b]
	The last part of a clip that spans several media discs or memory devices. [b]
	A clip or clip list in which some of the video cannot be displayed. However, the video that can be displayed is handled like a normal clip, and clip operations are supported.
	A clip that cannot be loaded. The clip cannot be previewed, and its properties cannot be edited. [c] [d]
	A clip list with no registered subclips
	A clip list containing subclips for which a compatible clip cannot be found.

a) Clips with OK status can be moved or deleted by this application.

b) When a clip spans several media discs or memory devices, parts on other discs or memory devices are not played back.

c) A clip that cannot be played or displayed properly by this application. The file may be corrupt or thumbnail creation may have failed.

d) A clip that cannot be played or displayed properly by this application. Another application is using the clip file.

To sort the list

Click the header of the column that you want to use as the sort key.
With each click, the list is sorted in ascending or descending order.
You can also sort by selecting one of the following items under [Sort By] in the [View] menu.

- Being Modifying
- Name
- Size
- Length
- Status
- Creation Date
- Last Update
- Rec Mode
- Media Spanning

To select the items to display in Details View

Open the dialog by selecting [Customize Columns...] from the [View] menu, and then proceed as follows.

To select items to display：Check the check box. You can click the [Show All] button to check all of the check boxes.

To select items to hide：Uncheck the check box. You can click the [Hide All] button to clear all of the check boxes except "Name".

To change the display order：Click an item to highlight it, and click the [Up] or [Down] button.

To reset default settings：Click the [Reset to Default] button.

To confirm changes：Click the ［OK］ button.
To cancel changes：Click the ［Cancel］ button.

To select the items to display in tooltips

You can select the items that appear in tooltips when the pointer is moved over a clip in the List View pane. Select [Customize Tooltip...] from the [View] menu to open the dialog, and select the items that you want to display.

Preview Windows

Preview windows are where you preview clips and check clip properties.
You can have up to five Preview windows open at one time. When you have more than one window open, you can convert them into tabs on one window.

Notes about the Preview window

Playback in this window is preview playback. Note the following points.

- Depending on the performance of your computer and the processing load, dropped frames may occur, timecode may differ from the actual values, the clip may not be played smoothly, and some time may be required before the screen is updated.
- When the playback clip is defective, video breakup may occur and the playback may freeze.
- Not all of the original recorded video is played back when a split clip is played back.
- It may not be possible to play clips created on devices other than XDCAM EX/XDCAM devices.
- Improper playback may occur if the screen properties of your computer are changed during playback. If this occurs, restart the application.

Tab   Clip   Viewer

Preview - organ   _ □ ×

    organ

    XDCAM HD/HD422   EM 004/006   02:24:38:21   Duration   00:00:05:09

    General   A/V Format   Related Info   Essence Mark

    Index Picture   Mark In   Mark Out   Name   organ
                                                  Creation Date 2010-07-22 14:39:05
                                                  Last Update   2010-11-25 11:22:47
    02:24:38:10   02:24:38:01 02:24:43:09   Length   00:00:05:19

              Status   KEEP   ▼

              Title 1

              Title 2

              Creator

          Description   ▲
                                                                 ≡
                                                                 ▼

                                          Write to XDCAM Disc
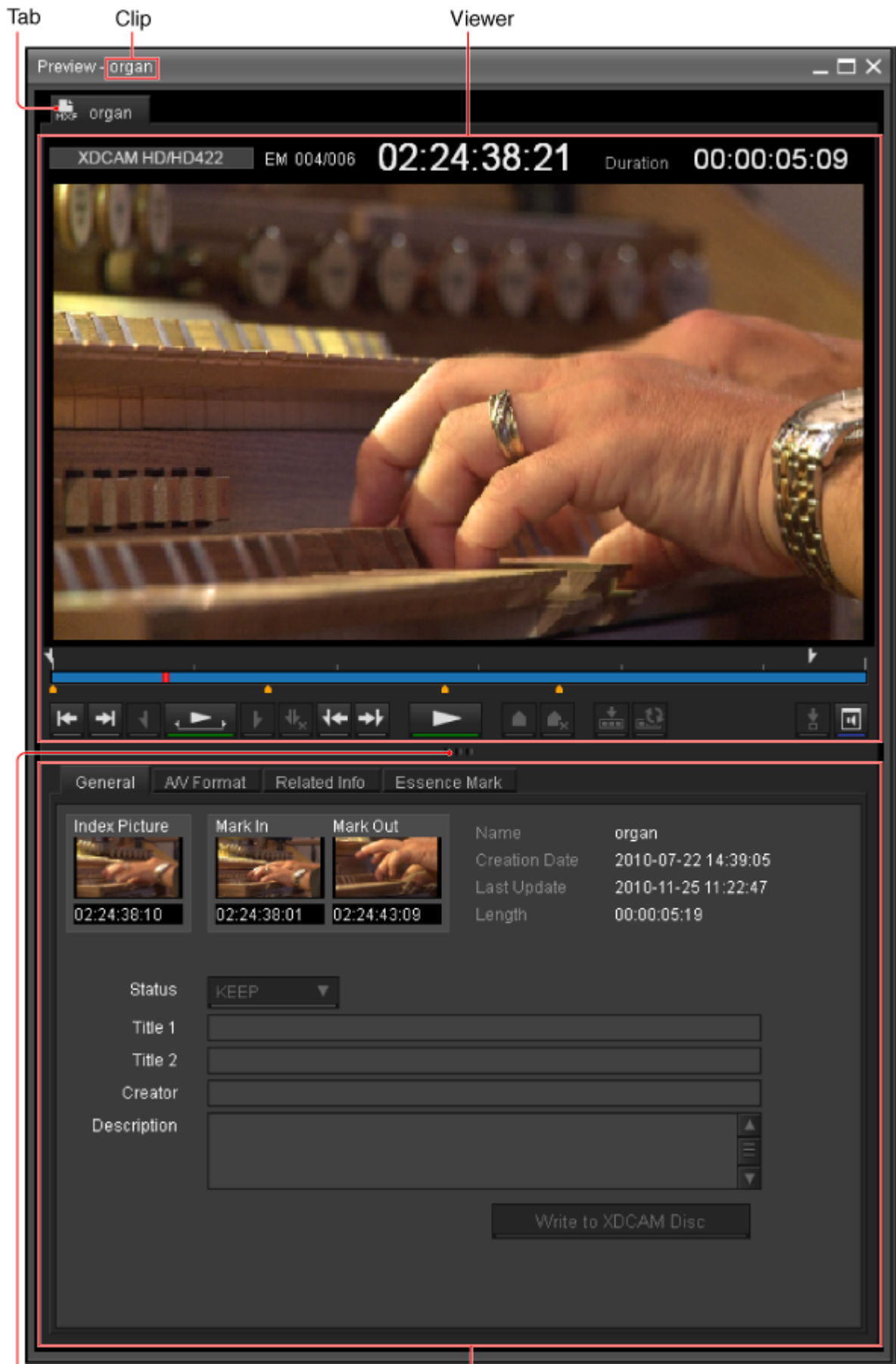
Splitter   Clip properties section

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Viewer

See Viewer (Preview windows) for more information.

Tab

Displays an icon indicating the type of the clip or clip list, and the name of the clip or clip list.
The below icons are used when a subclip is loaded from the Storyboard window.

Icon	Description
	Subclip using MXF files
	Subclip using MXF proxy files

See List View pane (Explorer windows) for more information about other icons.
When two or more Preview windows are open, you can drag and drop the tab on another window to convert this window into a tab on the other window.

See Customizing the window configuration for more information.

Clip name

Displays the name of the clip or clip list of the selected tab.

Splitter

You can drag the splitter up and down to change the relative sizes of the viewer and the clip properties section.

Clip properties section

Allows you to check clip and clip list properties.
The following tabs appear.

- General tab
- A/V Format tab
- Related Info tab (for clips only)
- Essence Mark tab (for clips only)
- Flash Band tab (for clips only)

Viewer (Preview Windows)

The viewer is where you preview clips and clip lists.

Screen

Displays the playback video.
You can double click the screen or select [Full Screen] from the [View] menu to enlarge the size to full screen size.
To return to the original screen size, double click the screen or press the Esc key.

Notes

Complete display of all video data, audio data, and timecode data is not guaranteed with the playback function of this software. Smooth playback may not be possible due to CPU and memory performance, media properties, connection methods, and other factors.

Clip type

Displays the type of the clip being viewed on the viewer.

- **XDCAM EX (MP4)**: XDCAM EX clip (MP4 file)
- **XDCAM EX (DV-AVI)**: XDCAM EX clip (DV-AVI file)
- **XDCAM HD/HD422**: MPEG HD file created from XDCAM HD or XDCAM HD422 clip (MXF file)

- **XDCAM MPEG IMX**: MPEG HD file created from XDCAM MPEG IMX clip (MXF file)
- **XDCAM MPEG IMX**: MPEG HD file created from XDCAM DVCAM clip (MXF file)
- **XDCAM HD/HD422 Proxy**: Proxy file created from XDCAM HD or XDCAM HD422 clip (MXF file)
- **XDCAM MPEG IMX Proxy**: Proxy file created from XDCAM MPEG IMX clip (MXF file)
- **XDCAM DVCAM Proxy**: Proxy file created from XDCAM DVCAM clip (MXF file)

Notes

When a clip list is selected, the format of the first subclip in the clip list is displayed. (Subclips are clips or parts of clips that make up a clip list.)

Number of essence marks

Displays the number of the essence marks set in the clip (in the format of: actually set number/maximum allowable number).
Not displayed for DV-AVI files and clip lists.

Timecode

Displays the timecode of the current position (playline position), and the duration of the section between In and Out points in the clip. A counter value is displayed when no timecode is recorded in the clip.
For NTSC clips, a period (.) between the minutes and seconds of the current position indicates drop-frame, and a colon (:) indicates non-drop-frame.
It is possible to jump to a specified position by clicking the current position timecode, entering a numeric value, and pressing the Enter key. (This operation is ignored when invalid timecode is entered.)

When 720/50p or 720/60p is selected, you can change the timecode display format. For more information, see Display tab for User Configuration dialog.

Position bar

Displays the time scale of the clip or clip list.
The following marks are shown on the position bar to provide information about the clip or clip list.

Mark	Meaning
	In point
	Out point
	Essence mark [a]
	Timecode break point (discontinuous timecode)
	Split point between component files
	Border between subclips
	Flash band correction has not been applied [a]
	Flash band correction has been applied [a]

a) The display of flash band correction marks takes priority over display of essence mark marks.

Playline

Displays the current position on the time scale. You can drag the playline or click anywhere on the position bar to move to a desired position. Scrubbing (repeatedly dragging to the left and right) is also supported.

Command buttons

These buttons perform various clip and clip list preview operations. The functions of these buttons can also be accessed from the keyboard.

Icon	Button name	Keyboard shortcut	Function
	Jump to Start	Home	Jumps to the start point (first frame) of the clip or clip list.
	Jump to End	End	Jumps to the end point (last frame) of the clip or clip list.
	Mark In [a)]	I	Sets an In point at the current position. Can be done during play (play continues).
	Play In to Out	Shift + space	Plays the section from the In point to the Out point. (During play, the button icon lights green.) Stops play if clicked during play.
	Mark Out [a)]	O	Sets an Out point at the current position. Can be done during play (play continues).
	Clear Mark In/Out [a)]	Shift + X	Clears the In and Out points. Can be done during play (play continues).
	Jump to In Point	↑	Jumps to the In point.
	Jump to Out Point	↓	Jumps to the Out point.
	Play	Space	Plays the clip. (During play, the button icon lights green.) Stops play if clicked during play.
	Add Essence Mark [a)]	E	Adds an essence mark at the current position. [b)] Can be done during play (play continues). However, an essence mark cannot be set at a position where one already exists.
	Delete Essence Mark [a)]	Shift + E	Deletes the essence mark at the current position. Can be done during play (play continues).
	Add SubClip	Enter	Adds the section between the set In point and Out point as a subclip to the storyboard clip list.
	Update Modified Subclip	N/A	Applies the results of subclip trimming to the clip list.
	Set Index Picture [c)]	P	Sets the frame at the current position as the index picture. Can be done during play (play stops).

	Set Audio Channels	N/A	Opens the Set Audio Channels dialog.

a) Editing of edit points (In and Out points) and essence marks is not supported for the following clip types.

- Clips on XDCAM drives
- DV-AVI clips
- Clip lists

b) The maximum number of essence marks that you can set in a single clip is as follows, depending on the clip format.

- XDCAM EX clip (MP4 file): 126 marks
- XDCAM clip (less than 126 seconds): the number of seconds + 1 (for example, 46 marks for a 45-second clip)
- XDCAM clip (126 seconds or more): 126 marks

If the list includes a clip with 126 or more Essence Marks, it can be output, but the only operation possible is deletion.
c) Index pictures cannot be set for DV-AVI clips.

General Tab (Clip Properties Section)
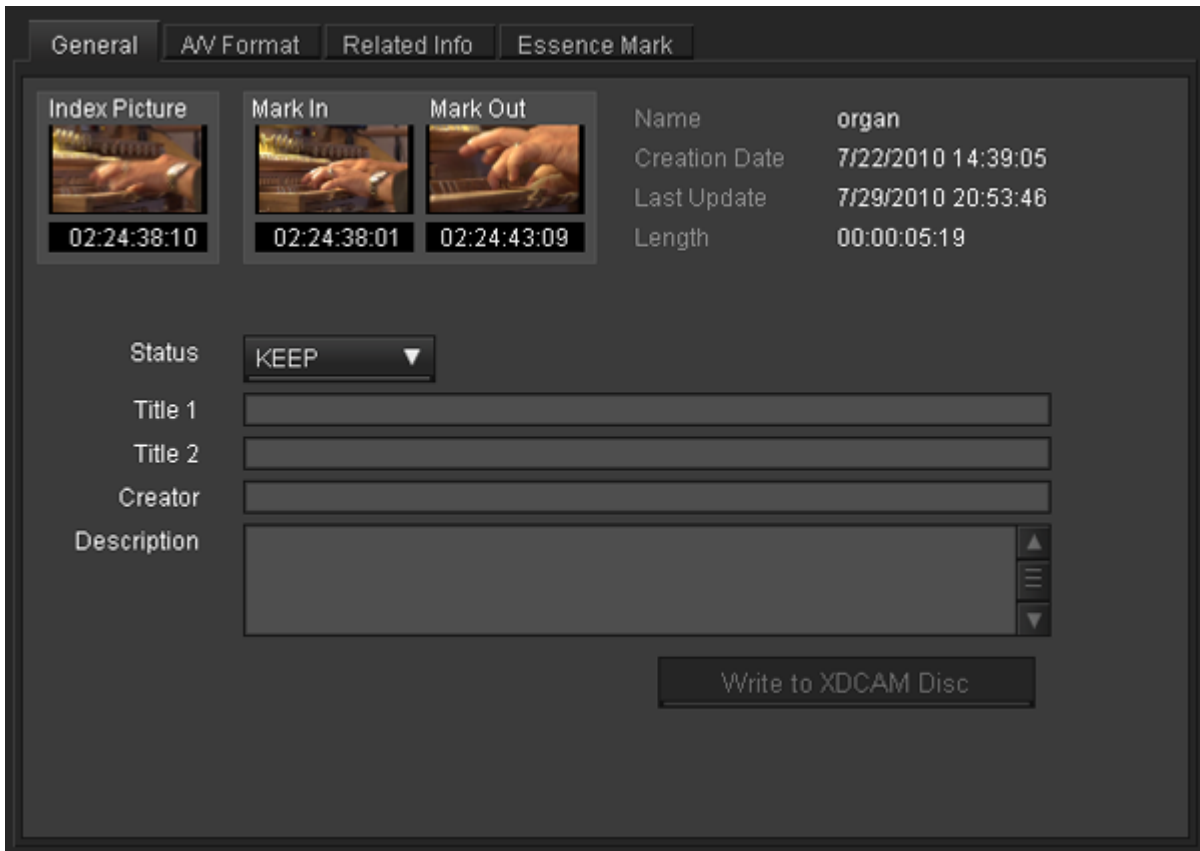
This tab displays general information about the clip or clip list.

- Index Picture
  Displays the index picture of the clip, or a thumbnail of the first frame if no index picture has been set.
  See Changing the Index Picture of a Clip for more information about setting an index picture.
  In the case of a clip list, the In point image of the first registered subclip will become the index picture.
- Mark In
  Displays a thumbnail of the In point, or a thumbnail of the first frame if no In point has been set.
- Mark Out
  Displays a thumbnail of the Out point, or a thumbnail of the last frame if no Out point has been set.
- Name
- Creation Date
- Last Update
- Length
- Start Timecode
  Appears only for clip lists. The first timecode specified in the clip list.
- DF/NDF
  Appears only for clip lists.
- Status
  Select from among OK, NG, KEEP, and None.
  This cannot be changed for clip lists.

- Title 1
  Allows you to assign a title up to 63 ASCII bytes in length.
- Title 2
  Allows you to assign a subtitle up to 127 bytes in length.
- Creator
  Allows you to enter the name of the person who shot the clip, up to 127 bytes in length.
- Description
  Allows you to enter a description of the scene depicted in the clip, up to 2047 bytes in length.

To apply any changes to the information, click the [Update] button ([Write to XDCAM Disc] button for Professional Discs). The changes are discarded if you close the window or tab without clicking the button.
If any unapplied changes exist, an asterisk (*) will appear at the top of the tab.

You can batch edit the information if you wish to share them among all clips in a folder or on a media device. See Editing clip and clip list properties for more information.
Notes
- The properties of DV-AVI clips cannot be edited.
- Properties of clips or clip lists on an XDCAM drive can only be edited during playback of proxy data.
- The Status of clip lists cannot be edited.
- The properties of unregistered media files cannot be edited.
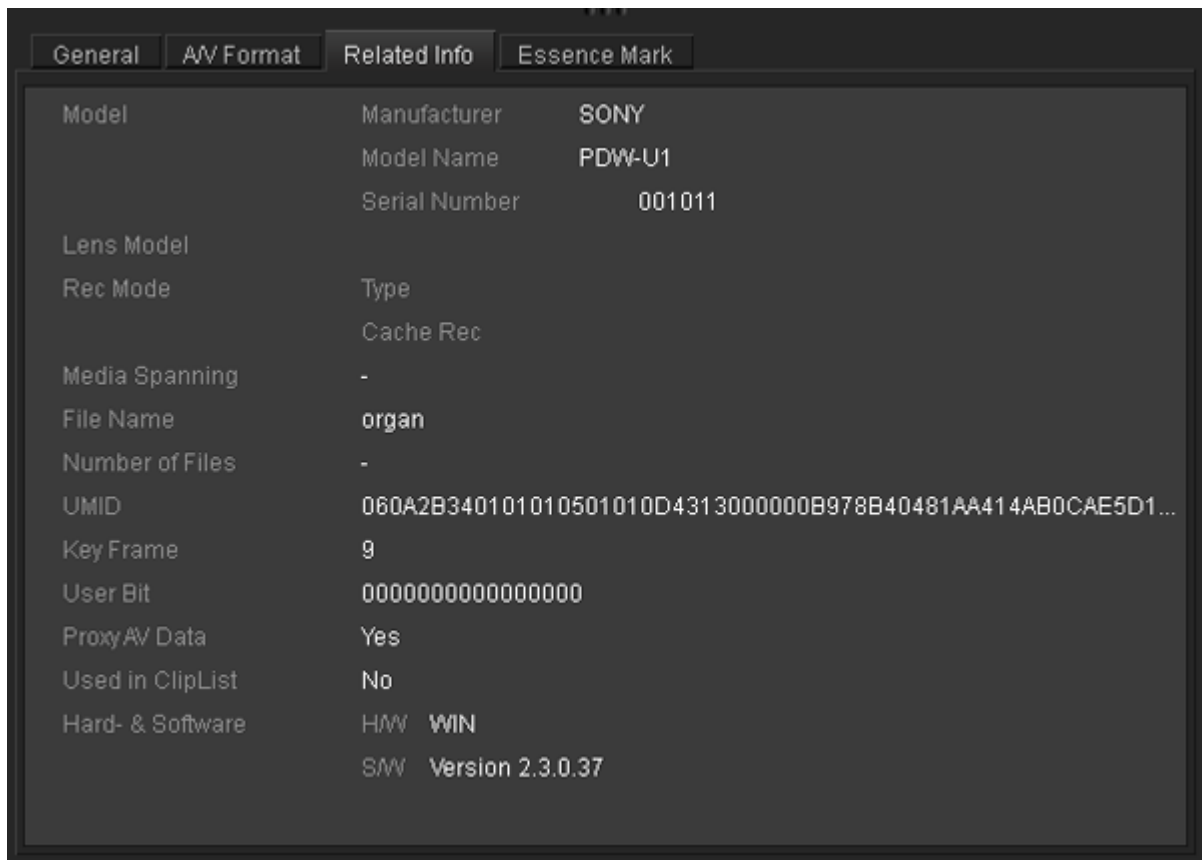
A/V Format Tab (Clip Properties Section)
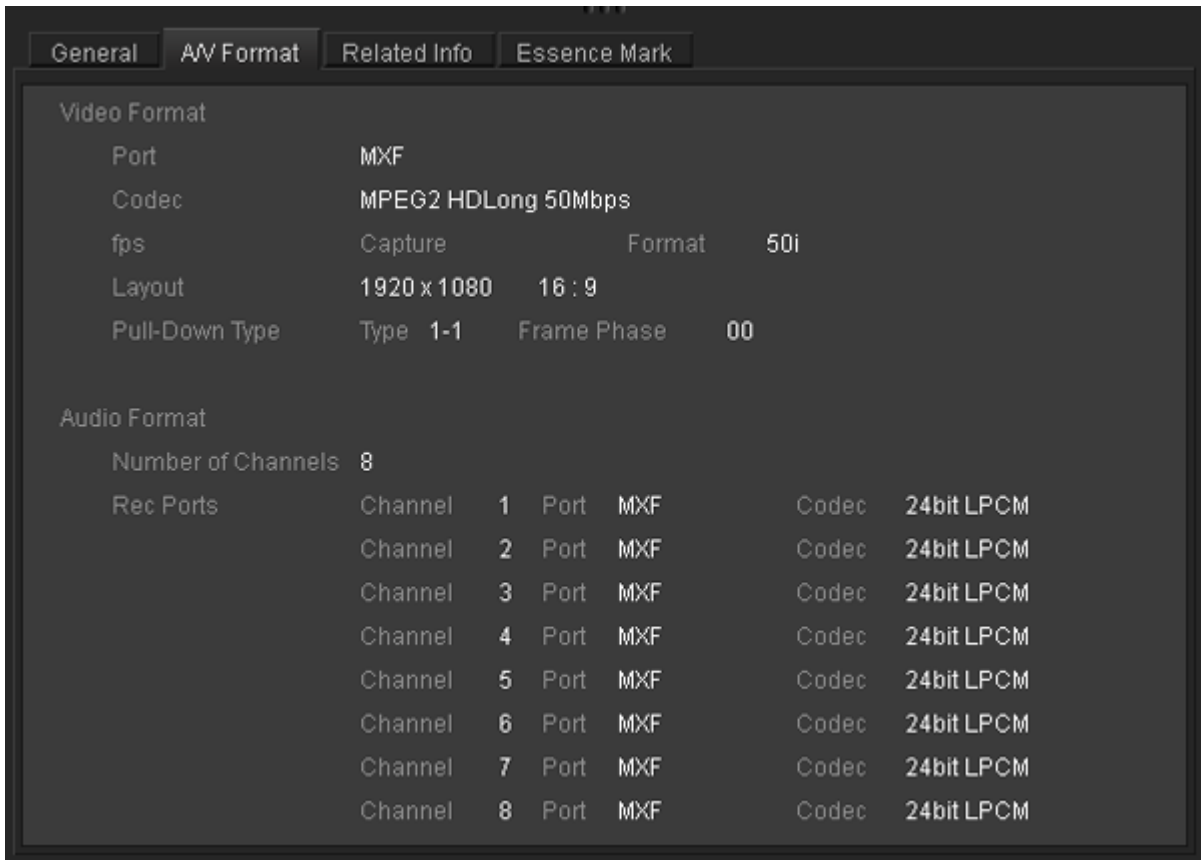
This tab displays information about the recording format of the clip.

- Video Format
- Audio Format

Related Info Tab (Clip Properties Section)

This tab displays information related to clip recording conditions.
This tab does not appear for clip lists.

- Model
- Lens Model
- Rec Mode
- Media Spanning
- File Name
- Number of Files
- UMID
- Key Frame
- User Bit
- Proxy AV Data
- Used in Clip List
- Hard- & Software

Essence Mark Tab (Clip Properties Section)
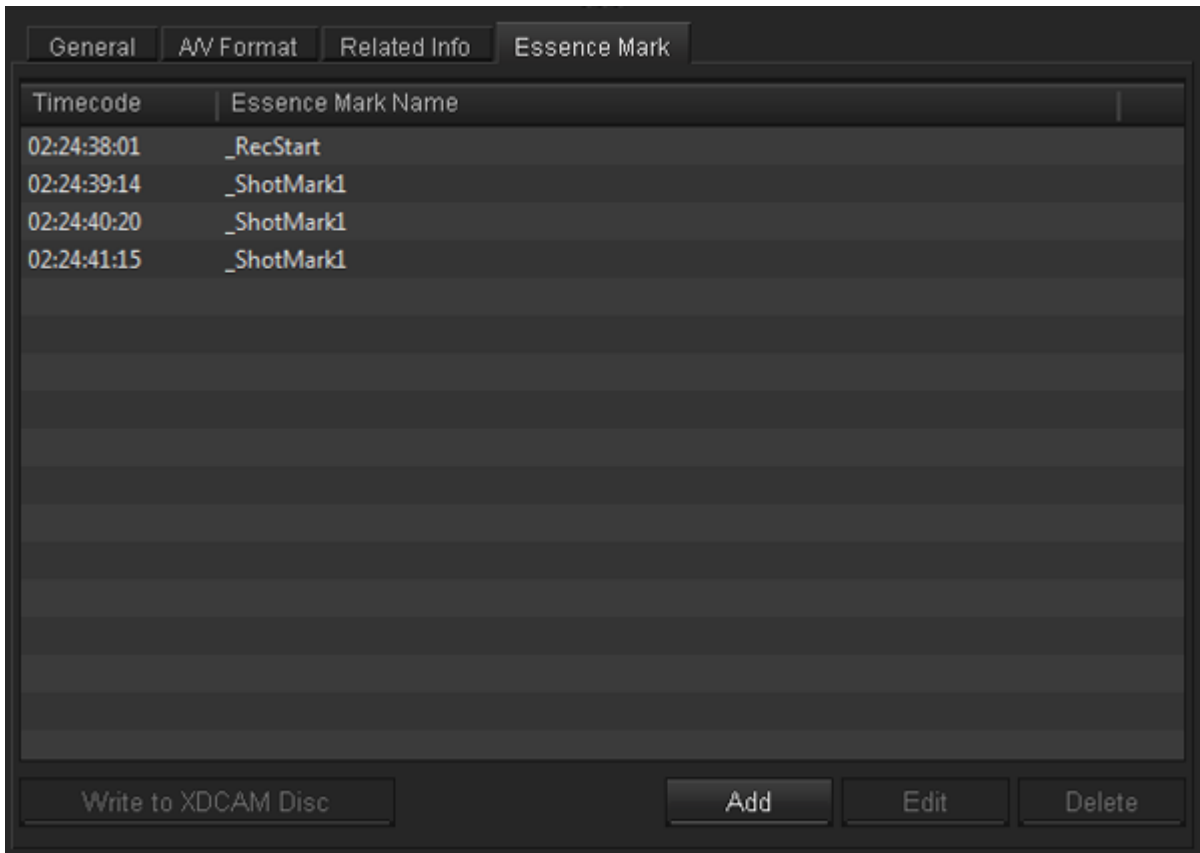
This tab displays a list of essence marks in the current clip, with the timecode of the essence marks and their names.
You can select an essence mark in this list to move the playback position to that frame.
This tab does not appear for clip lists.
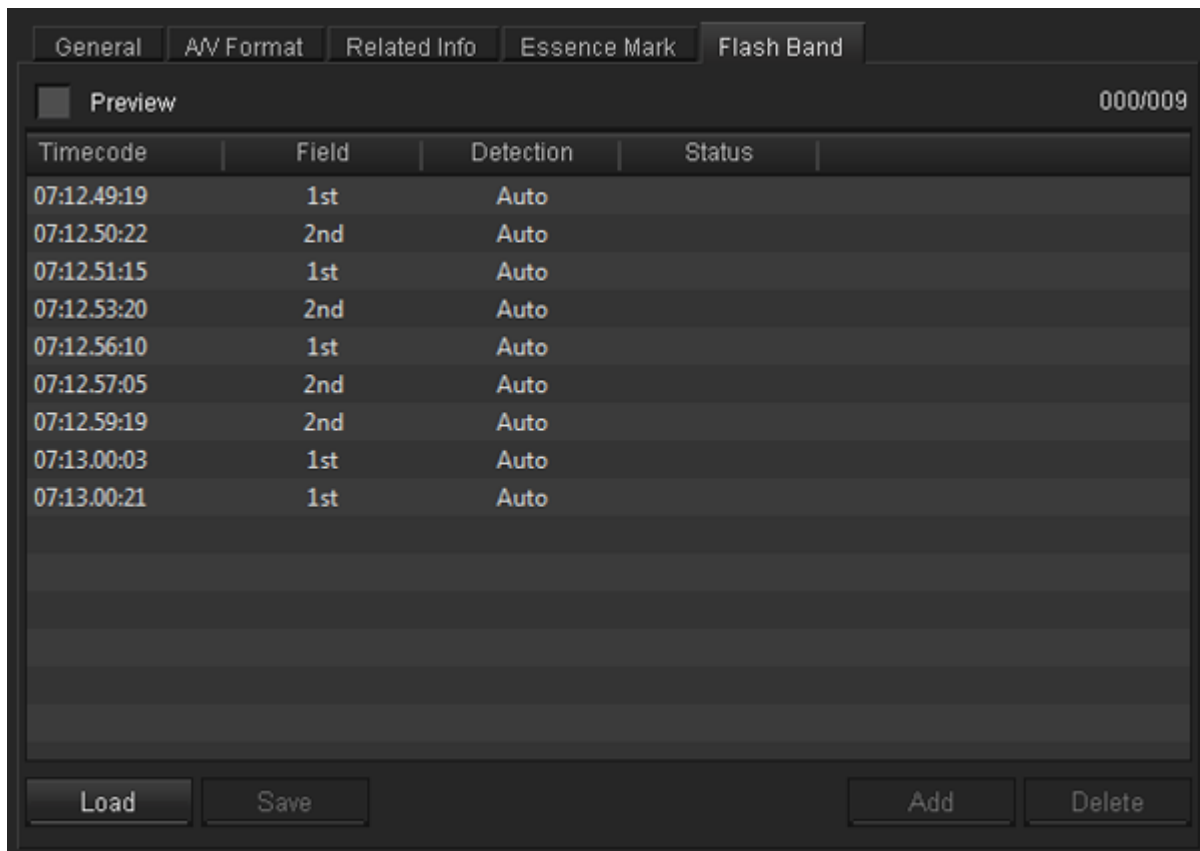
- **To add an essence mark**: Click the [Add] button to add an essence mark to the current playline position. The essence mark will be named "_ShotMark1."
- **To edit an essence mark name**: Select an essence mark in the list, click the [Edit] button, and edit the name in the editing dialog that appears. The maximum length of an essence mark name is 32 bytes. After you click [OK], the edited name appears in the essence mark name field.
- **To delete an essence mark**: Select an essence mark in the list (you can select multiple essence marks by clicking with the Ctrl key or Shift key held down), click the [Delete] button, and click [Yes] in the confirmation dialog that appears.

To apply any changes to essence marks for clips on a Professional Disc, click the [Write to XDCAM Disc] button. The changes are discarded if you close the window or tab without clicking the button. Changes made to essence marks on clips recorded on an SxS memory card are applied immediately. If any unapplied changes exist, an asterisk (*) will appear at the top of the tab. For all clips other than those on Professional Discs, the changes are applied to the clips automatically.

Notes

- The essence marks cannot be edited for DV-AVI clips.
- During playback on XDCAM EX devices, essence marks set by this application are displayed next to the frames where they were set.
- Properties of clips or clip lists on an XDCAM drive can only be edited during playback of proxy data.
- The properties of unregistered media files cannot be edited.

Flash Band Tab (Clip Properties Section)

This tab displays information about frames where flash banding has occurred. This tab appears only for MP4 and DV-AVI clips that allow flash band detection and correction.
This tab does not appear for MXF clips or clip lists.

- Timecode: Timecode of the frame where flash banding was detected (or timecode of a frame added by the user)
- Field: In the case of interlaced video, the field where correction starts (1st/2nd)
- Detect: The detection method (Auto/Manual)
- Status: Correction status (empty field, indicating not yet corrected/Corrected)

See Correcting flash bands for more information.

Offline Media Window

You can display the Offline Media window by selecting [Show Offline Media] from the [Window] menu.

The Offline Media window is where you work on clips and folders copied to offline media (proxy files), and where you check clip metadata. Only folders and files that have been copied to offline media can be displayed and operated.

Tab
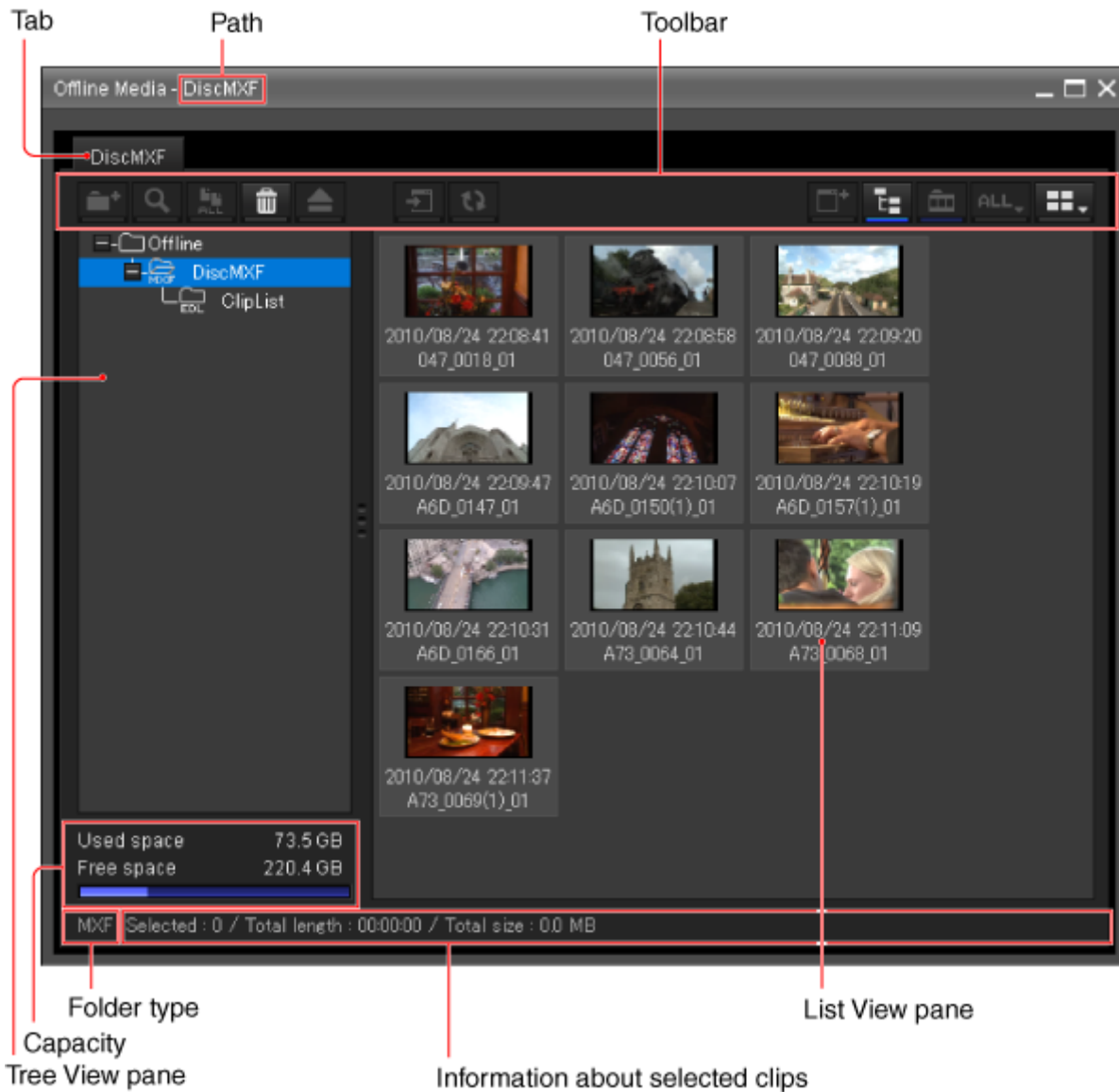
The tab displays the name of media or folders under the offline media folder.

Path

This is the path to the media or folder that is selected in the Tree View pane.

Toolbar

Contains tool buttons for operations on clips and folders under the offline media folder.

See Explorer windows for more information about tool buttons.

The following buttons cannot be used in the Offline Media window.

- New Folder
- Find
- Copy All
- Eject Media
- Copy to Offline Media
- Show Offline Media
- Show/Hide Component View
- Filter By

🗑 Delete

Deletes the selected clip or folder. See Deleting clips and clip lists or Deleting folders for more information.

⟳ Update edit results

Writes offline media file edit results back into the original media.
See Rewriting edited data to a Professional Disc for more information.

⊟ Display/Hide the Folder Tree

Allows you to display or hide the Folder Tree pane.

▤▾ List Display

Switches the clip view mode (thumbnails/details).

Tree View pane

Displays a tree of folders stored under the "Offline Media" folder.
The following icons represent the type of the folder.

Icon	Type of folder
📁	Folder with MXF attributes
📁	Folder with clip list attributes

You can show or hide folder contents by clicking the Folder Tree Display/Hide button on the toolbar.
Notes
Depending on the Windows desktop theme, some characters may fail to appear in list view. But this has no effect on operations by this application.

Capacity

Displays the used capacity and remaining capacity of the folder selected in the Tree View pane.
The remaining capacity is shown as a numeric value and as a bar graph.

Folder type

When a folder with MXF attributes is selected in the Tree View pane, "MXF" is displayed.

Information about selected clips

Displays information on clips or clip lists selected in the List View pane (number of selected clips or clip lists, total length of clips or clip lists, total size (clips only)).
Notes
The total clip or clip list length is an approximate value, so take it as an approximate guide.

List View pane

Displays the clips or clip lists stored in the media or folder that is selected in the Tree View pane. See List View pane (Explorer windows) for more information.

Storyboard Window

The Storyboard window appears when editing clip lists. You can also display it by selecting [Window Layout] from the [Window] menu and then selecting [Storyboard] or [Storyboard (Offline)].
Clip list contents are confirmed and edited in this window.

Multiple windows cannot be opened simultaneously in the storyboard window.
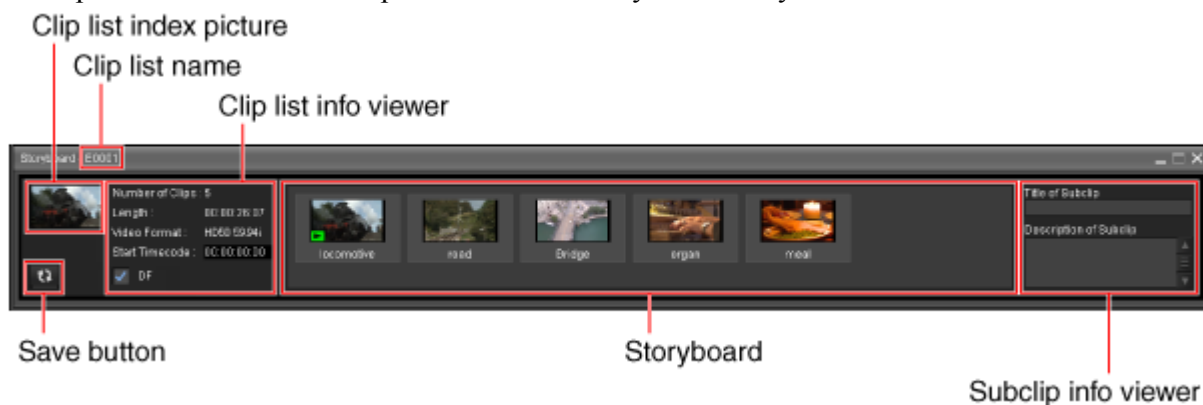
Clip list index picture

Displays the thumbnail of the In point of the first subclip in the currently displayed clip list.

Clip list name

Displays the file name of the currently selected clip list.

Clip list info viewer

This tab displays information related to currently displayed clip lists.

- Index picture
  The image of the In point of the first subclip is displayed as the index picture.
  "No Clip" is displayed when there is no registered subclip.
- No. of subclips
  The number of subclips that make up the clip list.
- Length
  Total length of the clip list.
- Video format
  Video format of the clip list.
  This is determined by the first subclip added to the clip list. Subclips with differing formats cannot be added.
- Start timecode
  You can change this to your required timecode.
- DF/NDF settings (NTSC only)
  DF/NDF settings can be changed.

Save button

Saves edits made to the clip list.
This button is enabled when you edit the clip list that is displayed. Otherwise, this button will be disabled, as saving is not necessary.

Storyboard

Displays thumbnails of the subclips that make up the clip list and clip names. They are displayed from the left in playback order.

Creates a clip list by adding clips or part of a clip from an Explorer or Preview window.

The playback order can also be changed by rearranging the subclips.

Displays the current position mark in the bottom left corner of the subclip thumbnail ► (during playback ►).

Thumbnails View example	Description
	Normal subclip
	Subclip for which a compatible clip cannot be found.
	Subclip matching the current playback position in the preview window.

Subclip info viewer

Selected subclip info can be confirmed in the storyboard window.

- Subclip title
  Allows you to assign a title up to 127 bytes in length.
- Subclip description
  Allows you to insert comments up to 511 bytes in length.

Customizing the Window Configuration

Opening multiple windows

Select [New Explorer Window] or [New Preview Window] from the [Window] menu.
A new Explorer or Preview window opens.
Multiple windows cannot be opened from the Storyboard window or Offline Media window.

Snapping windows to each other

Drag one of the windows close to another window. The windows snap together when they approach each other.
To enable the snap function, select [Enable Snap function] in the General tab of the User Configuration dialog.

Tabbing windows

You can convert windows of the same type (Explorer or Preview) into tabs in a single window.
To tab a window, drag it and drop it on another window.
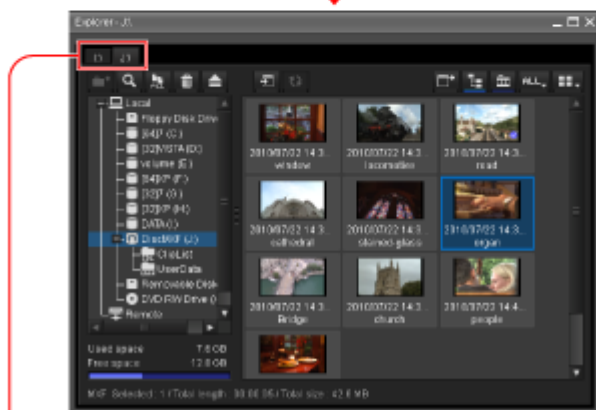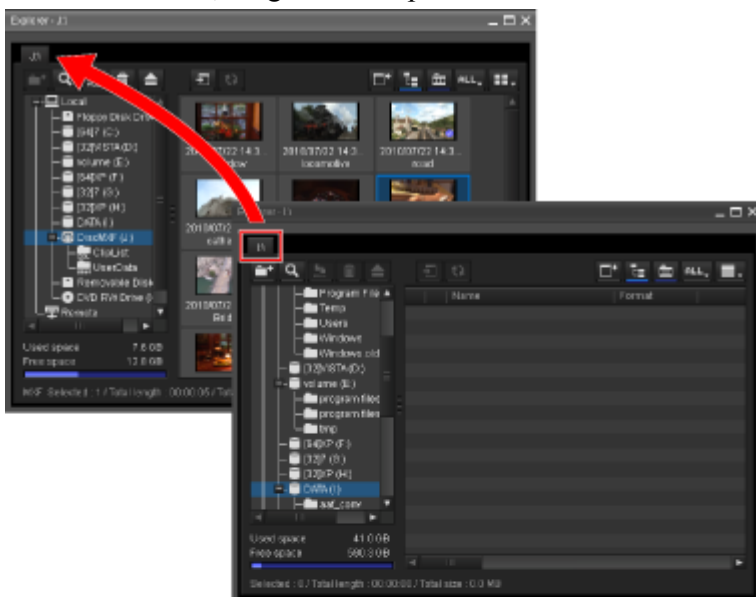
Tabbed windows

When one Preview window is already open, you can open a new Preview tab by doing one of the following in an Explorer window.

- Double click a media file in the List View pane.
- Select a media file in the List View pane, and then select [Play] from the [Clip] menu.
- Select a media file in the List View pane, and then select [Play] from the menu.

If the selected media file is already loaded into its own Preview window or a Preview tab, that window or tab is activated.

Converting a tabbed window back into a separate window

Drag the tab of the window that you want to separate away from the other window.
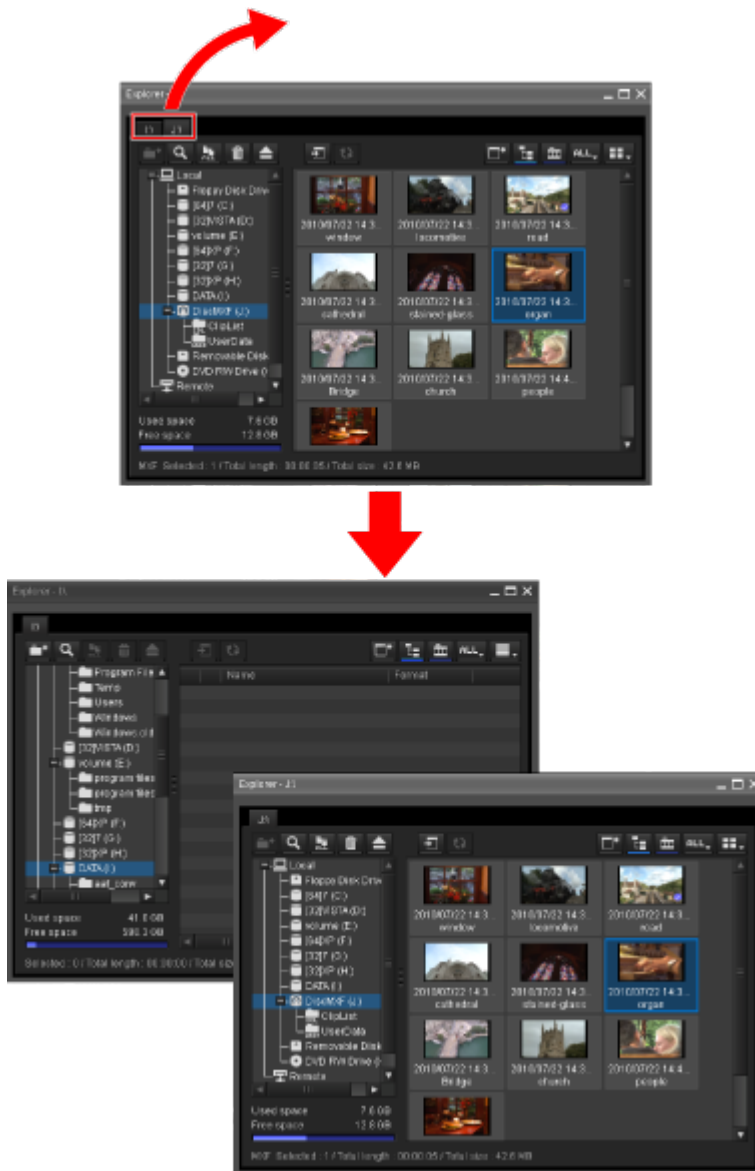
Other window operations

- Drag the window title bar to move a window.
- Resize a window by dragging on any window border.
- Click a maximize button in the upper right corner of a window to maximize it.
- Close a window you do not need by clicking the x (close) button in the upper right corner.

The application remembers your most recent configuration and recreates it the next time it starts.

Selecting the Window Configuration

Window configuration can be selected according to your preferred use, such as not using the Storyboard window, or using the Offline Media window instead of the Explorer window.
Select [Window Layout] in the [Window] menu, and select your required configuration from the displayed menu.

- **Standard** : Displays 2 Explorer windows and a Preview window.
- **Storyboard** : Displays the Explorer, Preview, and Storyboard windows.
- **Storyboard (offline)** : Displays the Offline Media, Preview, and Storyboard windows.

When the snap function is enabled

When you resize a window by dragging its border, neighboring windows are also resized while preserving the window layout.
You can disable the snap function. To disable the snap function, clear [Enable Snap function] in the General tab of the User Configuration dialog.
Tips
You can operate with the Shift key pressed to temporarily reverse the snap function setting.

- **When the snap function is enabled**: The function is temporarily disabled.
- **When the snap function is disabled**: The function is temporarily enabled.

Keyboard shortcuts for selecting windows and tabs

You can use keyboard shortcuts to select windows and tabs.

To select the next window from the keyboard
Hold down the Ctrl key and press the Tab key. (This manual refers to this operation as "press Ctrl + Tab".))
The next window is selected with each key press.
You can select the next window in reverse order by pressing Ctrl + Shift + Tab.

To select the previous or next tab from the keyboard
Press Ctrl + PageUp, or Ctrl + PageDown.

Operation Precautions for Clips and Clip Lists

- Always observe the following precautions during processing of folder and media operations.
    - Do not power off the computer or media drive before the operation completes.
    - Do not use Windows Explorer or another file management tool to delete folders that contain the clips being processed.
    - Do not eject the media before the operation completes.
- It may be possible to copy and move clips to media with this application even when the display on an XDCAM EX device indicates that the media is full. However, it will not be possible to play back or delete those clips when the media is inserted into the XDCAM EX device again (a message will appear saying that the media must be salvaged).
- For the folders created on a hard disk or other media by copying from XDCAM drive with Windows Explorer or another file management tool, editing operations such as adding and deleting of clips cannot be performed.
- If the NAMING FORM menu item of an XDCAM device is set to "C**** (standard format)", any user-defined file names (names in a format other than C****) are changed automatically to the standard format (C****) when the clips are written to the XDCAM drive.
- Writing a 50p or 60p frame rate clip to XDCAM drive moves the essence marks and Out points at the odd frames to the previous or next even frames. For example, the essence mark at the 15th frame moves to the 14th, while the Out point at the 19th frame moves to the 20th. However, the Out point will be deleted if an essence mark already set at the move destination frame.

For details about the menu operations of the XDCAM device, refer to the Operating Instructions or Operation Manual supplied with the XDCAM device.

Copying Clips

You can duplicate clips on your media or computer, and copy clips between media and the computer. You can also copy the entire clip content of a media disc or folder in a single operation.

Selecting clips for copying

1. Select a clip to copy in the List View pane of an Explorer window.
    Notes
    - o Abnormal clips can be selected, but they are not copied.
    - o The folder that contains the selected clips cannot be specified as the copy destination.

    When copying to a new folder
    Create a new folder in the copy destination media or folder.
    See Creating folders for more information about the operation.
2. Do one of the following.
    - o Drag the clips selected in step 1 and drop them in the List View pane of another window, or on a copy destination media or folder in the Tree View pane of the same window or another window.
    - o Select [Copy] from the [Edit] menu. Then click the List View pane of another window, or a copy destination media or folder in the Tree View pane of the same window or another window, and select [Paste] from the [Edit] menu.

    A message appears asking if you want to execute the copy.
3. Click the [Yes] button to execute the copy, or the [No] button to cancel it.
    A dialog illustrating the progress of the copying opens when the copying starts.
    Notes
    Once it has been completed, you cannot undo the copy operation.

To cancel the copy operation

Click the [Cancel] button in the progress dialog.

Reasons why a copy operation may fail

Copy operations may fail for the following reasons. In these cases, an error message appears and the copy is not executed.

- There is not enough free capacity at the copy destination.
- A clip with the same name as one of the selected clips already exists at the copy destination. Even if the clip names are different, clips are recognized as the same clip if they share the same ID (UMID).
- You do not have delete/write privileges to the destination media or folders.
- The destination media or folder is write protected.
- When copying MXF format clips to the XDCAM drive, and the recording format of the copy source clip differs to that of the clip in the copy destination.
  You may not be able to copy depending on the XDCAM drive you are using and its settings.

When you group split clips by gathering them into one place

XDCAM EX devices automatically save video that exceeds 4 GB in size as multiple clips. If you collect these clips into one media or folder, they are automatically grouped so that you can handle them as a single clip.
See Grouping clips that have been split across separate media for more information.

When you copy an XDCAM EX file to a copy destination with MXF attributes

Copying an XDCAM EX MP4 file to an XDCAM drive or an MXF folder automatically converts the file to the MXF format. This makes EX material available on your XDCAM device more easily than the export function.

Copied files have the same recording format as that of the existing files in the destination. [a)] However, the bit rates are determined as specified in [Bit Rate] under [MP4 to MXF conversion by copy] in the Conversion tab of the User Configuration dialog.

> a) If no file exists in the destination, the bit rate is determined as specified in [Format settings for empty destination folders] under [MP4 to MXF conversion by copy] in the Conversion tab of the User Configuration dialog .

Tips

When the [Convert in MXF for copying EX to a normal folder] check box in the Edit tab of the User Configuration dialog is checked, even the files which are to be copied to a normal folder are converted to the MXF format. Since the clip management folders for the XDCAM device are automatically created, the files converted in this application can be viewed. (The files which were output to a normal folder by the export function cannot be viewed in this application.)

Notes

- DV-AVI format EX files cannot be converted into MXF format files.
- It is not possible to convert MXF files to the EX format.
- File conversion may be disabled depending on the recording format of the original clip and the clips in the copy destination folder.
- Unless plug-in software provided by MainConcept is installed, the video after conversion will contain a MainConcept watermark. Further, only 30 seconds of audio are saved, and following audio is lost.
- File conversion may degrade the image quality.
- This copy operation takes longer to complete since it requires format conversion.
- The files produced by converting XDCAM EX MP4 files to MXF format are MPEG HD files only. Proxy files are not produced by this application.

Copying all the clips on a media disc or folder

You can copy all of the clips in a folder or a media disc or card in a single operation. This is a convenient way to import all the clips in a media disc to the hard disk of your computer.

1. In the Tree View pane of an Explorer window, select the media or folder that contains the clips you want to copy.
2. Do one of the following.
    o Click the Copy All button.
    o Select [Copy All] from the [Edit] menu.

   A message appears asking if you want to execute the copy. Check the destination folder.
   You can change the copy destination folder. See Edit tab for more information.
3. Click the [Yes] button to execute the copy, or the [No] button to cancel it.
   A dialog illustrating the progress of the copying opens when the copying starts.

To cancel the copy operation

Click the [Cancel] button in the progress dialog.

Reasons why a copy operation may fail

Copy operations may fail for the following reasons. In these cases, an error message appears and the copy is not executed.

- There is not enough free capacity at the copy destination.

- A clip with the same name as one of the selected clips already exists at the copy destination.
  Even if the clip names are different, clips are recognized as the same clip if they share the same ID (UMID).
- You do not have delete/write privileges to the destination media or folders.
- The destination media or folder is write protected.
- When copying MXF format clips to the XDCAM drive, and the recording format of the copy source clip differs to that of the clip in the copy destination.
  You may not be able to copy depending on the XDCAM drive you are using and its settings.

Copy error check option

For greater copy reliability, you can enable the CRC (cyclic redundancy check) error check option. However, copy operations take longer to complete when this option is enabled.
See Edit tab for more information about settings.

Copying Clip Lists

You can duplicate clip lists on your media or computer, and copy clip lists between media and the computer.
The following describes 2 ways to copy clip lists with this application.

- **Copy** : Copies clip lists and materials used with clip lists collectively.
- **Duplicate** : Copies clip lists only in the same folder.
  Materials are not copied by the function used to create multiple clip lists that differ partially.
  Also, copy destination folders cannot be selected.

Collectively copies materials used with clip lists.

Notes

- The only copy destinations that can be specified are clip list folders indicated by the icon, or general folders indicated by the icon. MXF and EX attribute folders cannot be specified as copy destinations.
  When general folders are specified as a copy destination, the ClipList folder is automatically created in the specified folder and the clip list will be copied to the ClipList folder. Clip materials will be copied directly below the specified folder.
- Abnormal clip lists, such as those in which parts of subclips cannot be decoded, cannot be copied even if selected.
- The folder that contains the selected clips cannot be specified as the copy destination.
- If the same clip list exists in the copy destination, that clip list will be overwritten.
- Clip lists including Voice Over data can only be copied to the XDCAM drive.
- You can set whether to copy the whole source clip linked to clip list subclips or only copy the section between the In and Out points from user setting dialog in Clip list tab.
  If you are only copying the section between the In and Out points, the surrounding margins can also be set.
  However, this setting is ignored and all of the source clip will always be copied if the copy destination is the XDCAM drive.

1. Select a clip list to copy in the List View pane of an Explorer window.
   When copying to a new folder
   Create a new folder in the copy destination media or folder.
   See Creating folders for more information about the operation.
2. Do one of the following.
   - Drag the clip list selected in step 1 and drop them in the List View pane of another window, or on a copy destination folder in the Tree View pane of the same window or another window.
   - Select [Copy] from the [Edit] menu. Then click the List View pane of another window, or a copy destination folder in the Tree View pane of the same window or another window, and select [Paste] from the [Edit] menu.

   A message appears asking if you want to execute the copy.
3. Click the [Yes] button to execute the copy, or the [No] button to cancel it.
   A dialog illustrating the progress of the copying opens when the copying starts.
   Notes
   Once it has been completed, you cannot undo the copy operation.

To cancel the copy operation

Click the [Cancel] button in the progress dialog.

Reasons why a copy operation may fail

Copy operations may fail for the following reasons. In these cases, an error message appears and the copy is not executed.

- There is not enough free capacity at the copy destination.
- You do not have delete/write privileges to the destination media or folders.
- The destination media or folder is write protected.
- You are trying to copy between remotely connected XDCAM drives.
- You are trying to copy to a remotely connected XDCAM drive from an XDCAM drive connected by i.LINK or USB cable.
- When source clips (MXF format clips), which are linked to subclips that make up the clip list, are copied to the XDCAM drive or MXF attribute folders, clips cannot be copied if the recording formats of source and copy destination clips differ.
  You may not be able to copy depending on the XDCAM drive you are using and its settings.

Copying a clip list only in the same folder

1. Select a clip list to copy in the List View pane of an Explorer window.
2. Select [Duplicate Clip List] from the [Edit] menu.
   A duplicate of the selected clip list is created in the same folder.

Moving Clips

You can move clips on your media or computer, and move clips between media and the computer.
Notes
- Clips recorded in clip lists or Professional Discs, and clips in the Offline Media window cannot be moved.
- XDCAM EX format files cannot be moved to folders or media with MXF attributes, and MXF format files cannot be moved to folders or media with EX attributes

Move modes

You can specify whether to give priority to processing speed or to data protection when moving clips.

- Processing speed: Normal move processing, without creating a duplicate of the clip
- Data protection: Creation of a duplicate before deletion of the original clip

See Edit tab for more information about settings.
1. Select a clip to move in the List View pane of an Explorer window.
   Notes
   - Abnormal clips can be selected, but they cannot be moved.
   - The folder that contains the selected clips cannot be specified as the move destination.

   If you want to move the clips to a new folder
   Create a new folder in the move destination media or folder.
   See Creating folders for more information about the operation.
2. Do one of the following.
   - Drag the clips selected in step 1, and while holding down the Shift key, drop them in the List View pane of another window, or on a move destination media or folder in the Tree View pane of the same window or another window.
   - Select [Cut] from the [Edit] menu. Then click the List View pane of another window, or a move destination media or folder in the Tree View pane of the same window or another window, and select [Paste] from the [Edit] menu.

   A message appears asking if you want to execute the move.

3. Click the [Yes] button to execute the move, or the [No] button to cancel it.
   A dialog illustrating the progress of the move opens when the move starts.
   Notes
   - Once it has been completed, you cannot undo the move operation.
   - Do not exit this application during the move. Doing so can break the links between clips and their metadata. The link information for split clips can be lost, causing them to become abnormal clips. If the selected clips are important, we recommend that you set the move mode to data protection mode.
   - When an MXF clip on a Professional Disc is moved, the clip list that includes the moved clip will be deleted.

To cancel the move operation

Click the [Cancel] button in the progress dialog.

Reasons why a move operation may fail

Move operations may fail for the following reasons. In these cases, an error message appears and the move is not executed.

- There is not enough free capacity at the move destination.
- A clip with the same name as one of the selected clips already exists at the move destination. Even if the clip names are different, clips are recognized as the same clip if they share the same ID (UMID).
- You do not have delete/write privileges to the source or destination media or folder.
- The source or destination media or folder is write protected.

When you group split clips by gathering them into one place

XDCAM EX devices automatically save video that exceeds 4 GB in size as multiple clips. If you collect these clips into one media or folder, they are automatically grouped so that you can handle them as a single clip.
See Grouping clips that have been split across separate media for more information.

Deleting Clips and Clip Lists

Notes
- Clips with OK status can be deleted by this application.
- When you delete a clip that is included in an MXF format clip list on a Professional Disc, the entire clip list is deleted.

1. In the List View pane of an Explorer window, select a clip or clip list to delete.
2. Do one of the following.
   - Press the Delete key .
   - Click the Delete button.
   - Select [Delete] from the [Edit] menu.

   A message appears asking if you want to execute the deletion.
3. Click the [Yes] button to execute the delete, or the [No] button to cancel it.
   Notes
   Deletions cannot be undone after they finish.

Reasons why a delete operation may fail

Folder deletion operations may fail for the following reasons. In these cases, an error message appears and folder is not deleted.

- You do not have delete/write privileges to media or folder where the clips or clip lists are stored.
- The media or folder where the clips or clip lists are stored is write protected.
- The clips you are trying to delete is used in a clip list being edited.
- You tried to delete a clip list that is being edited.

Grouping Clips That Have Been Split Across Separate Media

When you have split clips that have been saved on separate media as a result of an extended recording session, you can group those clips by collecting them in a single location. You can collect split clips by copying them, by moving them, or by combining split folders. Grouped clips can be handled as a single clip.

See Copying clips, Moving clips, and Combining folders for more information about each operation.

Notes

- This operation is limited to XDCAM EX clips. You cannot operate on clips in other formats (for example, XDCAM clips).
- Split clips which are not continuous along the time axis are not grouped.
- Abnormal clips are not grouped.
- Clips with altered UMIDs are not grouped. Grouping is performed on the basis of the UMIDs of split clips, and not on the basis of their file names.

Creating Clips by Specifying Ranges

You can create a new clip by setting In and Out points in an existing clip. The new clip can be handled in the same way as the original clip. This is a convenient way to create clips during online editing.

Notes

You cannot operate on clips in other formats (for example, DV-AVI clips and XDCAM HD clips). This operation is limited to MP4 clips.

1. Preview a clip in a Preview window, click the Mark In button at the position you want to use as the first frame, and click the Mark Out button at the position you want to use as the last frame.

    In and Out points are set in the clip.

    Tips

    You can also set the Out point by specifying the In point and duration.

    Duration can be specified by clicking the timecode display of the duration, entering a numeric value, and pressing the Enter key .

    Notes

    In and Out points cannot be set at the same frame. When you try to set an Out (or In) point at a frame where an In (or Out) point has been set, the Out point is automatically set at the next frame after the In point.

2. Play the section specified in step 1, and adjust the In point and Out point positions as required.

3. In the List View pane of an Explorer window, find the clip where you set the In and Out points, and click the clip to select it.

    To batch process clips

    You can create several clips in one operation.

    Carry out steps 1 and 2 in several clips stored in the same folder or on the same media, and then select those clips here.

4. From the [Clip] menu, select [New clip using In/Out section].

    A confirmation message appears asking if you want to create the clips.

    When In and Out points have not been set

    A confirmation message appears and if you proceed it will have the same result as a copy operation.

5. Click the [Yes] button to create a new clip, or the [No] button to cancel the operation.

    A progress dialog opens when creation of the clip starts.

To cancel creation of the clip

Click the [Cancel] button in the progress dialog.

Reasons why a new clip operation may fail

Creation of a new clip may fail for the following reasons. In these cases, an error message appears and the clip is not created.

- There is not enough free capacity at the clip creation destination.
- You do not have delete/write privileges to the destination media or folders.

Editing clip and clip list properties

Some clip and clip list properties (metadata) can be edited with this application. In addition, properties for all the clips in a single media or folder can be batch edited. The following properties can be edited.

- Status (for clips only)
- Title 1
- Title 2
- Creator
- Description
- Start TC (for clip lists only)
- DF/NDF setting (for clip lists and NTSC only)

Notes

- The properties of DV-AVI clips cannot be edited.
- Properties of clips or clip lists on an XDCAM drive can only be edited during playback of proxy data.
- The Status of clip lists cannot be edited.
  Also, the Start TC and DF/NDF settings of the clip list properties are made in the Storyboard window. See Storyboard windows for more information.
- The properties of unregistered media files cannot be edited.

Editing clip and clip list properties

1. Load the clip or clip list for which you want to edit properties into the Preview window.
2. Edit the properties in the General tab in the properties section of the Preview window.
3. If the clip is recorded on a Professional Disc, click the [Write to XDCAM Disc] button.
   Click the [Update] button if the clip is recorded on the computer or any other drive.

Batch editing clip properties

1. In the Tree View pane of an Explorer window, select a media device or a folder.
2. In the List View pane, select the batch editing target clips.
   (You can skip this step if you want to edit all clips, or all clips in the format selected by the current display filter.))

3. From the [Edit] menu, select [Batch Edit Clip Properties...].
    The Batch Edit Clip Properties dialog opens.
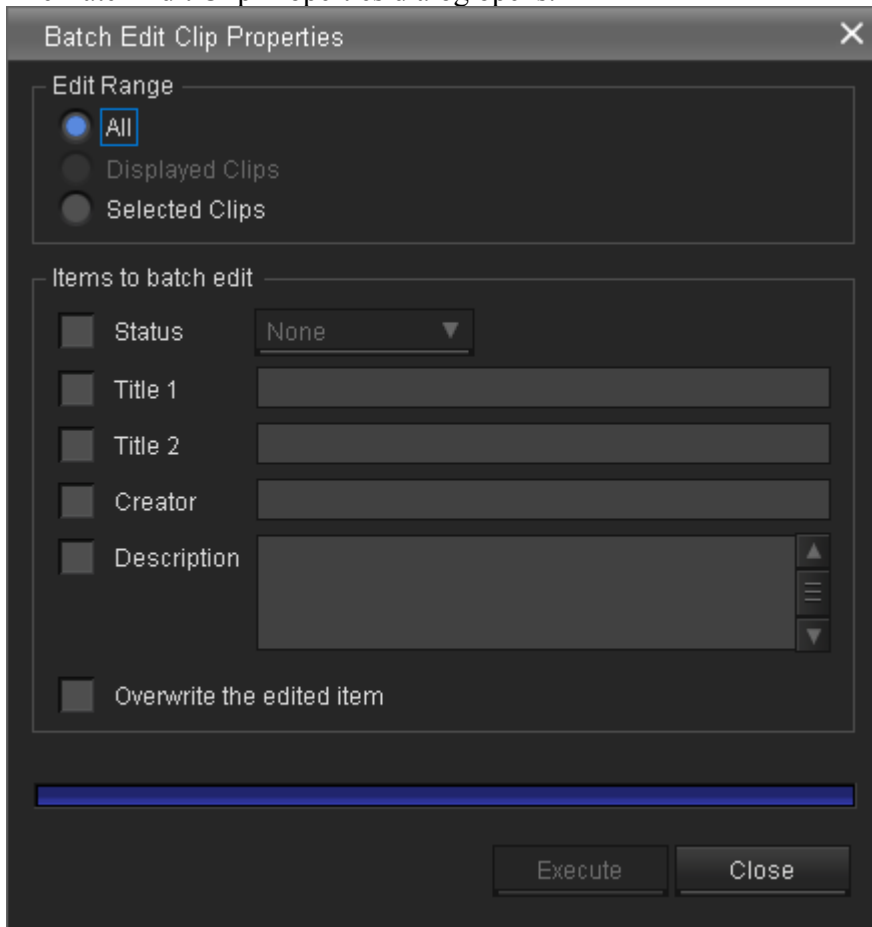
4. Select the edit range.
    - o All: All clips in the selected media or folder
    - o Displayed Clips (MP4): Clips displayed in the List View pane
    - o Selected Clips: Clips selected in the List View pane
5. Check the check box for each batch edit item that you want to change, and then select a value
    from the list box or enter a string in the edit box.
    - o Status: Select from among OK, NG, KEEP, and None.
    - o Title 1: Up to 63 ASCII bytes in length
    - o Title 2: Up to 127 bytes in length
    - o Creator: Up to 127 bytes in length
    - o Description: Up to 127 bytes in length

    To overwrite existing contents
    Check the [Overwrite Edited Items] check box.
    If this check box is cleared when the batch edit is executed, the changes made here are
    reflected only to empty fields.
6. Click the [Execute] button.
    A confirmation message appears, asking if you want to execute the batch edit.
7. Click the [Yes] button to execute the batch edit, or click the [No] button to cancel it.
    A progress bar appears to show the progress of the batch edit. A completion dialog appears
    when the processing finishes.
8. Click the [OK] button to close the dialog.

Renaming Clips and Clip Lists on Professional Discs

Clips and clip lists recorded on Professional Discs can be renamed.
Notes

- To enable renaming of clips and clip lists, you must set the "File Naming" setting to "Free" in the Professional Disc's configurations.
- The following clips and clip lists cannot be renamed.
    - Clips and clip lists under the MXF folder in the UserData folder
    - Clips and clip lists in the Offline Media window
    - Clips and clip lists being previewed

1. In the Tree View pane of an Explorer window, select the clip or clip list in the XDCAM drive.
2. Do one of the following.
    - Select [Rename File Name] from the [File] menu.
    - Right click the file, and select [Rename File] from the context menu.
3. Enter a name for the clip or clip list.
   Up to 56 alphanumeric characters can be entered for the name. Other character sets can be used, and the maximum number of characters that can be entered varies depending on the language and characters used. (For example, approximately 18 characters can be entered in Japanese.)
   Notes
   Alphanumeric file names are not case sensitive, and do not differentiate between 1-byte and 2-byte characters. File names cannot include spaces or the symbols ", *, /, :, <, >, ?, \, |, or . (period).
4. Click the [OK] button.

Importing Clips

You can import MP4, DV-AVI, and MXF files and register them as clips that can be handled by this application.

1. In the Tree View pane of an Explorer window, select the folder or media where the files to be imported are stored.
   Remote media and folders and offline media folders cannot be selected.
2. Do one of the following.
   - Select [Import...] from the [File] menu.
   - Right click the media or folder, and select [Import...] from the context menu.

   The Import dialog opens.
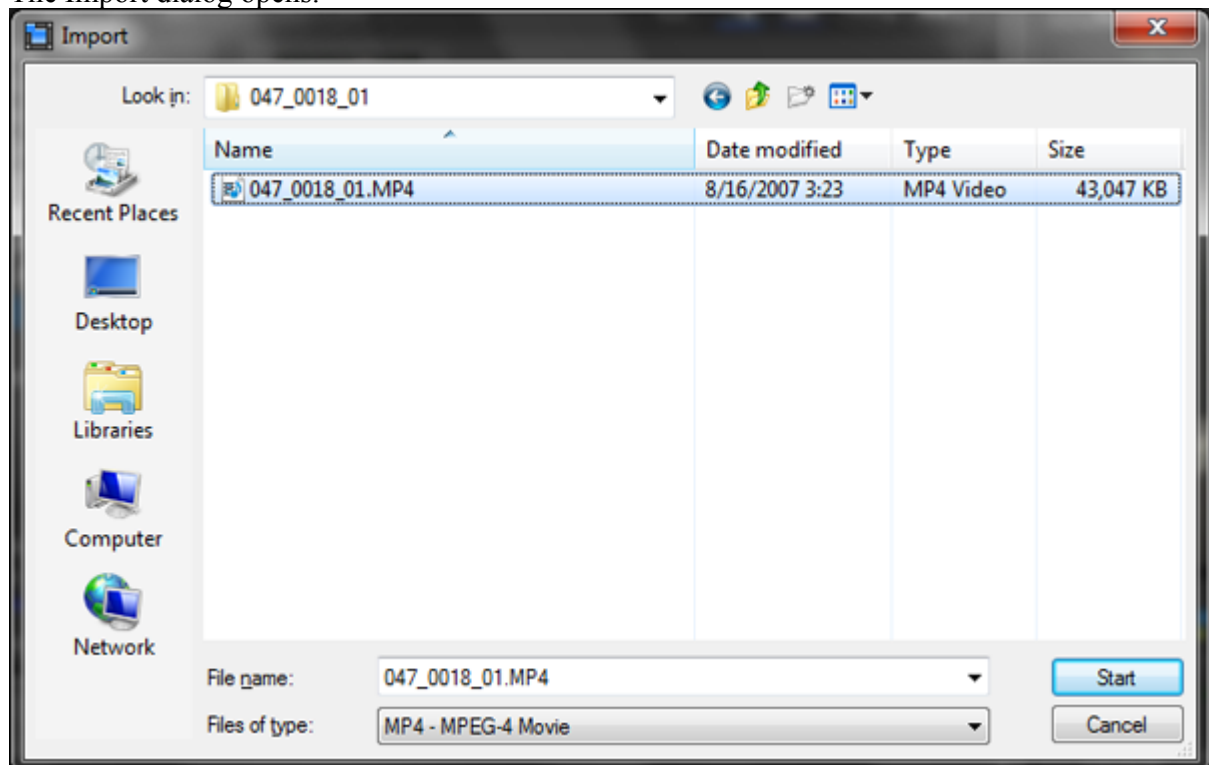
3. Select a file format from the [Type of files] list, and specify the files to import by selecting them from the file list.
4. Click the [Start] button to start the import, or the [Cancel] button to cancel it.
   A dialog illustrating the progress of the import operation opens when the import starts.

To cancel the import operation

Click the [Cancel] button in the progress dialog.

Reasons why an import operation may fail

File import operations may fail for the following reasons. In these cases, an error message appears and the files are not imported.

- You do not have delete/write privileges for the import destination media or folder.
- The import destination media or folder is write protected.

- This software checks import files for compatibility with the XDCAM EX/XDCAM format. Files that are found to be incompatible cannot be imported.
- The properties of imported clips are set automatically.
- It may not be possible to play imported clips on XDCAM EX/XDCAM devices and with this application.

Importing Clip Lists

Clip lists created by another XDCAM browser can be imported to and registered in this application.
See Exporting clip lists for information about exporting created clip lists to use in other XDCAM browsers.
Notes
This function only registers clip lists. Be sure to note that the clip of the material included in the clip list will not automatically be copied.
If a clip of the used material does not exist, the corresponding subclip will not be played.

1. In the Tree View pane of an Explorer window, select the "ClipList" folder or media where the clip lists to be imported are stored.
   Remote media and folders and offline media folders cannot be selected.
2. Do one of the following.
   o From the [File] menu, select [ClipList] and then select [Import...].
   o Right click the media or folder, and select [Import...] from the context menu.

   The Import dialog opens.
3. Select the clip list file （*.SMI） to be imported, and click the [Start] button.
   The clip list appears in the selected "ClipList" folder.
   Clip lists can be played if the clip of the material used by the clip list is controlled by this application.

Exporting Clips

You can export files handled with this software (MP4, DV-AVI, MXF) for use in various other environments. (To export is to convert files into other formats and output them.)

Notes

- The optional MainConcept plug-in software must be installed to use some conversion formats. Unless the software is installed, the video after conversion will contain a MainConcept watermark. Further, only 30 seconds of audio are saved, and following audio is lost.
- Depending on the specified parameters, image quality may be degraded due to the image compensation process.
- Converted files may not be exactly the same with native files in the target format.
- Video metadata may not be inherited after format conversion.
- Image quality may be degraded if format conversion requires re-encoding.
- Image quality may be degraded and duration may vary if files are converted to a format with a different bit rate, resolution, or frame rate parameters.
- Before exporting, ensure that the export destination media or folder is write enabled.

1. In the List View pane of an Explorer window, select a clip to export by clicking them.
2. Do one of the following.
   o From the [File] menu, select [Export] and then select the format that you want to convert to.
   o Right click the clip, and select [Export] and then the format that you want to convert to from the context menu.

   The formats available for export will vary depending on the format of the selected clip.
   See File conversion formats for more information about conversion formats.

Format of selected clip	Format available for export
MP4	All formats are available for selection.
DV-AVI	MXF for XDCAM DVCAM
MP4+DV-AVI	All formats are available for selection. However, if a file format that cannot be exported from DV-AVI is selected, DV-AVI file export will not be performed.
MXF	o Windows Media File o Video hosting service

   An export dialog opens for the selected format.
3. Change the following settings as required.
   o **Export to**: Specifies the export destination folder. Enter a path beginning with a drive name in the edit box. Or click the [...] button to open a browse dialog where you can select a folder, and then click the [OK] button.
   Remote folders cannot be selected.

     Notes
     Make sure that the export destination media has adequate free space before you execute the export. An error occurs at the point where the free space is used up.

o **Type**： Click the [Details...] button to open the detailed configuration dialog, set parameters as required, and click the [OK] button. This item does not appear for some conversion formats.
Depending on the number of audio channels in the clip, the audio output corresponds as shown below to the setting of the [Channel] list in the [Audio] section.
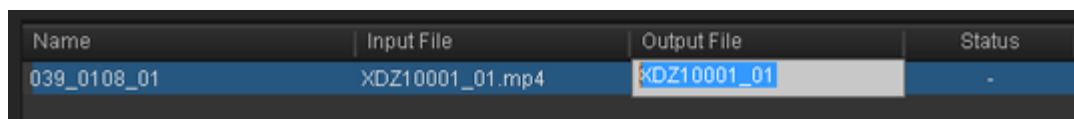
Number of audio channels in clip	Setting in [Channel] list	Audio output
2	1CH	Mixed signal of channels 1 and 2
	4CH	**Channel 1**: Channel 1 signal **Channel 2**: Channel 2 signal **Channel 3**: Channel 1 signal **Channel 4**: Channel 2 signal
4	1CH	Mixed signal of channels 1 to 4
	2CH	**Channel 1**: Mixed signal of channels 1 and 3 **Channel 2**: Mixed signal of channels 2 and 4
8	1CH	Mixed signal of channels 1 to 4 [a)]
	2CH	**Channel 1**: Mixed signal of channels 1 and 3 **Channel 2**: Mixed signal of channels 2 and 4 [a)]

o a) Channels 5 to 8 are ignored.
o **Target of Export**: Select [In/Out section] if you want to output the range between the In and Out points in the current clip. This item does not appear for some conversion formats.

To modify the output file name
In the List View pane, do one of the following to make the file name changeable.

o Click the file name.
o Right click the highlighted part and select [Modify the output filename] from the context menu.

Enter the desired file name and press the Enter key , or click outside of the file name. Extension does not need to be entered.
4. Click the [Execute] button to start the export.
A progress bar appears to show the progress of the export. The progress also appears in the [Status] column of the List View pane.

To cancel the export

Click the [Cancel] button.

If a file with the same name already exists at the output destination

A dialog appears to ask how you want to proceed.
Read the explanation in the dialog and click one of the buttons.

File Conversion Formats (Clip Export)

File conversion formats can be selected with the Export subcommands in the following table.

Export subcommand	Extension after conversion	Description
MXF for NLEs[a]	MXF	Converts to MXF file format without changing the bit rate, resolution or other parameters. This is for non-linear editors that support MXF files only.
MXF for XDCAM HD[b]	MXF	Converts to an MXF format that is compatible with MXF files recorded by XDCAM HD devices.
MXF for XDCAM HD422[b]	MXF	Converts to an MXF format that is compatible with MXF files recorded by XDCAM HD422 devices.
MXF for XDCAM MPEG IMX	MXF	Converts to an MXF format that is compatible with MXF files recorded by XDCAM MPEG IMX devices.
MXF for XDCAM DVCAM	MXF	Converts to an MXF format that is compatible with MXF files recorded by XDCAM DVCAM devices.
Raw DV	DV	Converts to RAW DV format. This is for DV format editing. Depending on the editing environment, use either this subcommand or the [AVI DV] subcommand.
AVI DV	AVI	Converts to AVI Type-2 format. This is for DV format editing. Depending on the editing environment, use either this subcommand or the [RAW DV] subcommand.
Windows Media File	WMV	Converts to Windows Media Player 9 compatible format.
Sony PSP (H.264/AVC)[c]	MP4	Converts to a format that allows clips to be previewed on the PlayStation Portable (PSP) game console from Sony Computer Entertainment.
Apple iPod (H.264/AVC)[c]	MP4	Converts to a format that allows clips to be previewed on the iPod portable media player from Apple Inc.
Video hosting service	WMV	Converts to a format optimized for Internet video hosting services.

a) When outputting the range between the In and Out points in the current clip, the duration may be prolonged after conversion.
b) Clips of two seconds or less can be converted to MXF files, but they cannot be written to export destination devices.
c) Improper playback may occur if the converted file is viewed on a viewer other than the specified devices.

Exporting Clip Lists

Clip lists you have created can be exported to writable locations except for currently saved folders.
If the clip of used materials is being managed in an XDCAM browser installed in another PC, exported clip lists can be imported and used by that browser.
See Importing clip lists for more information about importing exported clip lists.

Notes

- This function only exports clip list files. Be sure to note that clip list metadata and the used materials of clips will not be copied.
- You may not be able to export media or folder specified in the export destination as expected depending on the attribute of that media or folder. In such a case, execute the operation after specifying a writable location for the general file such as the HDD folder or General folder.
- Remote folders cannot be selected.

1. In an Explorer window, select the clip list(s) you want to export.
   Alternatively, display the clip list to be exported in the Storyboard window.
2. If performing this operation in an Explorer window, select [ClipList] and then [Export] from the [File] menu.
   If performing this operation in the Storyboard window, select [Export] from the [File] menu.
   The export dialog opens.
3. Specify the export destination folder and name of the clip list file to be exported, and click the [Start export] button.
   The selected clip list is exported to the specified folder.

Previewing Clips and Clip Lists

Clips and clip lists can be previewed in the Preview window.
Several limitations apply to playback in the Preview window. See Preview windows for more information.
Notes
Complete display of all video data, audio data, and timecode data is not guaranteed with the playback function of this software. Smooth playback may not be possible due to CPU and memory performance, media properties, connection methods, and other factors.

Loading clips and clip lists into the Preview window

Display the clip or clip list that you want to preview in the List View pane of an Explorer window, and then do one of the following.

- Double click the clip or clip list.
- Click the clip or clip list, and press the Enter key.
- Drag and drop the clip or clip list on a Preview window (this operation is disabled if multiple clips are selected).
- Right click the clip, and select [Play] and then the format that you want to convert to from the context menu.
- Click the clip or clip list, and then press the space bar.

The clip or clip list is loaded into the Preview window (and playback starts, if you loaded the clip or clip list by selecting [Play] or pressing the space bar). The timecode of the current playback position (or a counter value) appears in the upper part of the screen, together with the duration of the section between In and Out points in the clip or clip list.

To stop play

Click the play button.
Notes
Smooth playback is not possible when previewing clips or clip lists saved to DVD-R or CD-R discs.

Preview operations

You can use the following methods to control playback in the Preview window.

- Use the command buttons in the Preview window.
- Select the operation from the [Play] menu.
- Drag the playline.
- Press the J, K, or L key.
  J: Change the reverse playback speed. Each press selects –1, –2, –4, –8, or –16 times normal speed.
  K: Stop playback.
  L: Change the forward playback speed. Each press selects 1, 2, 4, 8, or 16 times normal speed.

Notes
No audio is output in playback at speeds greater than or equal to ±4 times normal speed.

To select full-screen playback

Double click the screen, or select [Full Screen] from the [View] menu.
To return to the original screen size, double click the screen or press the Esc key.

To change the playback mode of MXF clips

Select "Original (high resolution)" or "Proxy (low resolution)" in the Play tab of the User Configuration dialog.
Selecting "Original" makes it possible to preview with high definition images when the screen size is enlarged.

Notes

- You cannot change the playback mode when a clip or clip list is being played.
- Clips or clip lists without proxy AV data are played at a high resolution regardless of this setting.
- Clips or clip lists on a XDCAM drive connected by FAM are played at a low resolution regardless of this setting.
- Clips or clip lists in the Offline Media window are played at a low resolution regardless of this setting.
- High resolution data may not be played smoothly due to its large file size.

To select the audio channels to monitor during previews

In the Set Audio Channels dialog, check the L (left) or R (right) check box to monitor that channel.
To open the Set Audio Channels dialog, do one of the following.

- Select [Set Audio Channels...] from the [Play] menu .
- Click the [Set Audio Channels] button.

To Edit a Clip List

Clip lists can be created and edited in the Storyboard window of this application.
See Displaying Clip Lists, Adding Subclips to Clip Lists, and Editing Clip Lists for more information about editing clip lists.

Previewing Unregistered Media Files

You can check media files in formats other than the XDCAM EX and XDCAM formats, without having to import them.
This application can preview media files in MXF [a)], MP4, and DV-AVI format.

a) Proxy files cannot be previewed.

1. Select [Open Media File] from the [File] menu while the Preview window is active,
2. Select the file you want to preview in the dialog.
    The media file is displayed in the Preview window.

Preview window operations

You can use the command buttons in the Preview window to perform the same operations as those for standard clips. However, you cannot perform editing operations such as the deletion of In and Out points and essence marks.
The General tab and A/V Format tab appear in the clip properties section, allowing you to check the metadata of media files.

To preview media files with drag and drop

Media files can also be previewed by dragging the media file from Windows Explorer to the Preview window.

Changing the Index Picture of a Clip

Index pictures can be changed in the clip preview.
Notes
The index pictures of DV-AVI clips cannot be changed.

1. Play a clip, and display the frame you want to use as the index picture.
2. Select [Set Index Picture] from the [Edit] menu, or click the [Set Index Picture] button.
   The currently displayed frame becomes the clip's index picture, and the index picture in the General tab of the clip properties section changes to show it.

Notes

- Index pictures of clips on an XDCAM drive can be changed only during proxy data playback.
- If you are previewing a clip that is stored on removable media, do not eject the media until the operation finishes.
- Do not power the computer off until the operation finishes.
- On XDCAM EX devices, a frame near the specified frame may be displayed as the index picture, instead of the specified frame itself.
- If you press the Set Index Picture button during play of the clip, the thumbnail view may show no change before the play is finished.

Searching for Clips and Clip Lists

You can search for a clip or clip list in either of the following ways, depending on whether you know where the clip or clip list is located.

- **Folder search**: When you know where the clip or clip list is located, you can search a specified folder for clips or clip lists with specified properties.
- **Keyword search**: When you know only the fact that the clip or clip list is located on the computer on which this application is installed, you can perform a keyword search.

Notes
- Always observe the following precautions during a search.
  - o Do not delete the target folder.
  - o Do not eject the media before the operation completes.
- You cannot search for Offline Media clips.

1. Activate an Explorer window and do one of the following.
   - o Click the Find button.
   - o Select [Find...] from the [Edit] menu.

   The Find dialog opens.
2. Specify search criteria.
   Specify and search folder tab
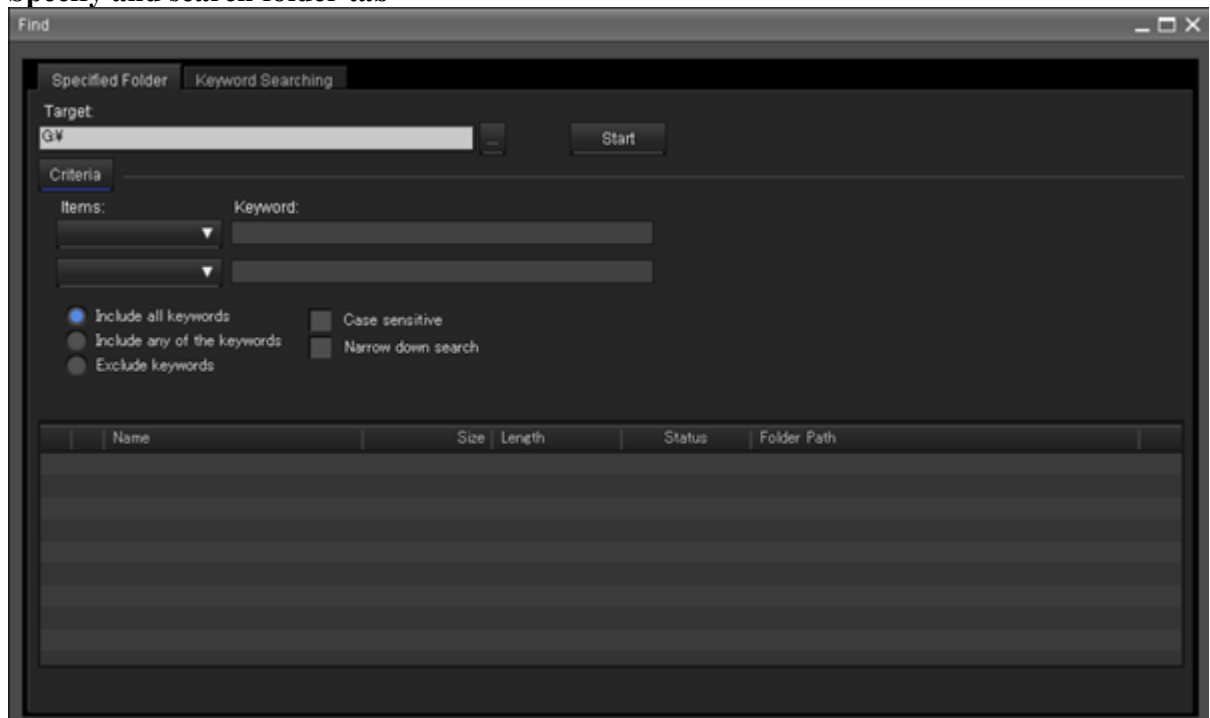
   To change the search target
   Click the [...] button to open a browse dialog, select the target folder, and click the [OK] button.
   To specify search criteria
   Select at least one item from the [Items] list, and enter the matching condition in the text box for that item, or select the condition from the list.
   To specify the type of search
   Click "Include all keywords" (AND search), "Include any of the keywords" (OR search), or

"Exclude keywords" (NOT search).

To specify search options

As required, check "Case sensitive" and "Narrow down search" (narrow down the search within the results of the previous search).

Notes

When [Clip Name] is selected from the [Items] list, search is performed based on the [Clip Name] settings in the Display tab of the User Configuration dialog.

Keyword Searching tab

Notes

o On Windows XP, keyword search is available only when Windows Desktop Search (Version 3.1 is recommended) is installed on the computer.

o Keyword search uses Windows Desktop Search, so the search results depend on the functionality of Windows Desktop Search.

o Windows Desktop Search is an indexed search system. The index is updated at times when the computer is not being used for other tasks. Therefore, even if clips or clip lists exist on the hard disk of the computer, they will not be found if they have not yet been indexed.

o Before performing a keyword search, register folders that contain clips or clip lists in the Windows Desktop Search Options dialog, so that Windows Desktop Search will index the clips and clip lists.
Refer to the Windows help for more information about Windows Desktop Search operations.

o XDCAM drive content is not searched.
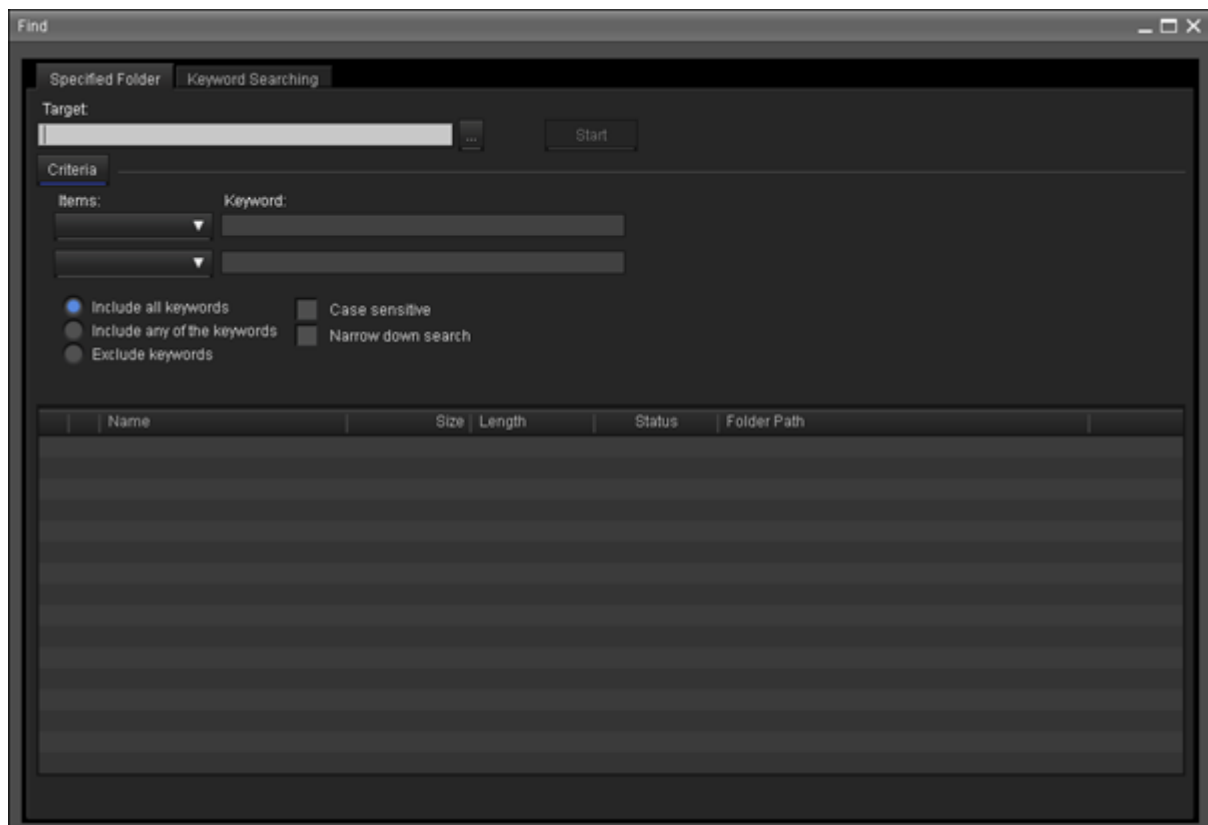
To specify the keywords to find: Enter the keywords to find in the Keywords box. You can enter multiple keywords. An AND search is performed (partial match). Uppercase and lowercase are not distinguished.

3. Click the [Start] button.
A list of search results appears in the Find dialog, containing clips or clip lists that match the conditions specified in step 2.

To hide the search criteria in the Specified Folder tab

Click the [Criteria] button.
Click the [Criteria] button when conditions are hidden to show them again.

To sort the search results

Click the header of the column that you want to use as the sort key.
With each click, the list is sorted in ascending or descending order.

To display the search results in an Explorer window

Select one of the search results and do one of the following.

- Select [Go to Explorer] from the [Find] menu.
- Right click the search result , and select [Go to Explorer] from the context menu.

To play the search results

Select one of the search results and do one of the following.

- Select [Play] from the [Find] menu .
- Right click the search result , and select [Play] from the context menu.

Correcting Flash Bands

Flash banding can occur when the CMOS sensor of a camera or camcorder captures a subject that is illuminated by a flash or other momentary light source. It is characterized by a bright band at the top or bottom of a frame, instead of the entire frame. The term "flash band" is also used to describe a frame that is divided vertically into a bright half and a dark half.
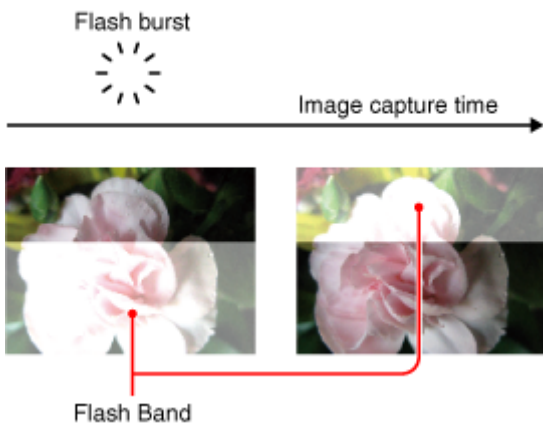
This software creates copies of frames where flash banding has occurred, and corrects the flash banding on the copies. You can operate on multiple clips at once.

Notes

- Operations on MXF clips are not supported.
- Flash band detection and correction are not possible for the following clip types.
  - Import material, material containing recorded line input signals, and so on
  - Clips shot in 23.98p and converted to 59.94i by 2-3 pulldown
  - Write-protected clips, and clips on write-protected media
  - Clips in the UserData folders on XDCAM drives
  - Clips stored on remote drives

Detecting flash bands automatically

1. In the List View pane of an Explorer window, select the clips that you want to check for flash bands.
2. In the [Clip] menu or the context menu, select [Flash Band], [Detect], and [In/Out section] or [All Range], in that order.
   Flash band detection begins, and a progress bar appears to show the progress of the processing. A message appears when processing finishes.

Notes

- Editing of In and Out points is not supported for DV-AVI clips. Regardless of range specifications, the entire clip is searched.
- Detection of all flash bands is not guaranteed. For example, this function may fail to detect flash bands in the following cases.
  - When flash bands are located near the first or last frames
  - When a section contains continuous flash bands
  - When a scene has been shot with electronic shutter enabled
  - When the scene changes dramatically between adjacent frames
  - When the bright area caused by the flash is small in size
  - When it is difficult for the software to determine whether a bright area is a flash band.

Checking and editing detected flash bands

1. Load the clip that you want to check into the Preview window.
2. Check that a Flash Band tab is displayed in the clip properties section, and click the Flash Band tab.
3. Click the [Load] button.
   A list appears, showing the timecode locations of frames with detected flash bands.
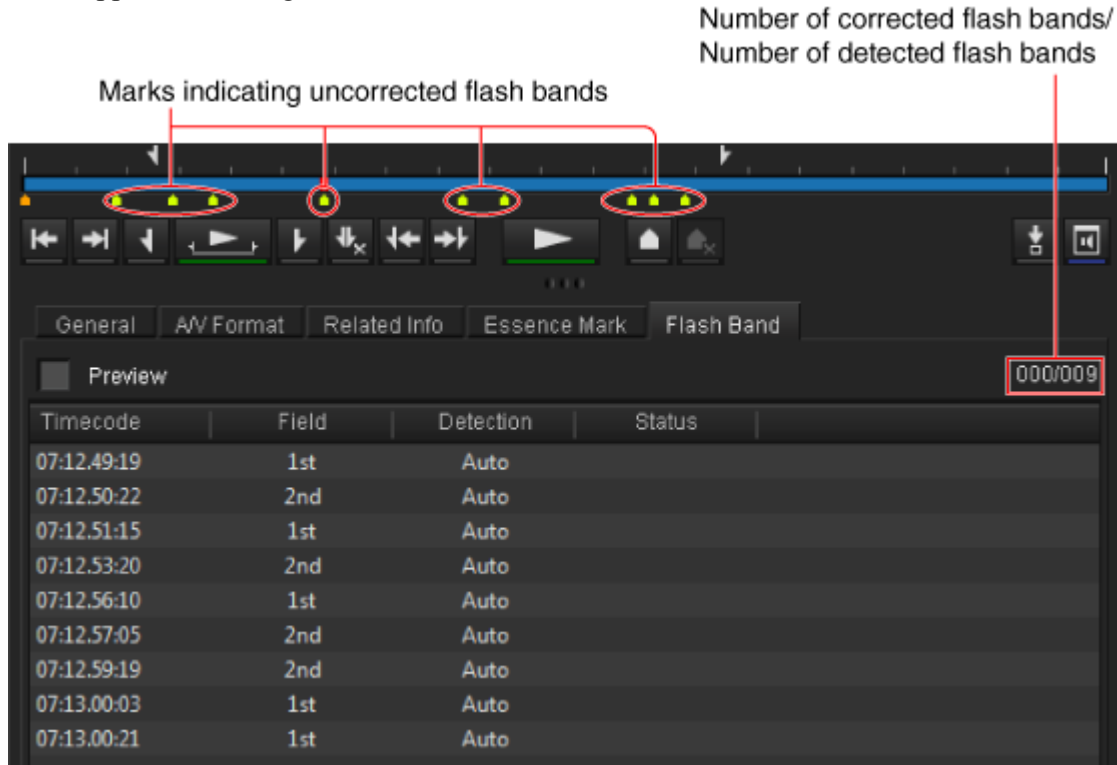
4. Select a timecode value from the list in the Flash Band tab, and then check the picture that appears on the screen.
   To check the picture after correction
   Check the [Preview] check box, and then select the timecode of the frame that you want to check.
   If you decide that correction is unnecessary
   With the frame selected, click the [Delete] button, or select [Delete] from the frame's context menu.
   The information for that frame is deleted from the list and the position bar.
   To correct a frame that was not detected
   Display the frame that you want to correct, and then click the [Add] button.
   Information for that frame is added to the list and the position bar. "Manual" appears in the Detect field of the list.
   Notes
   Image quality may be impaired if you correct where flash banding has not occurred.
   To change the field where correction starts
   If the correction target clip is interlaced video, from the context menu of the target frame, select [Field], and [1st] or [2nd], in that order.
   Regardless of how the frame was added to the list, "Manual" appears in the Detect field whenever you change the correction start field.
5. If you changed anything in step 4, click the [Save] button.
   Notes
   The changes are not reflected if you execute the correction without performing this step.

Correcting Flash Bands

After the preparations explained in the previous procedure, proceed as follows to execute the flash band correction.

1. In the List View pane of an Explorer window, select the clip to correct.
2. In the [Clip] menu or the context menu, select [Flash Band], [Correct], and [In/Out section] or [All Range], in that order.
   The selected clip is duplicated, and flash band correction of the duplicated clip starts. A progress bar appears to show the progress of the processing.

Notes

- Editing of In and Out points is not supported for DV-AVI clips. Regardless of range specifications, the entire clip is searched.
- No correction processing is performed on the duplication source clip.
- Flash band correction of the first and last frames is not supported.
- Depending on the flash burst characteristics, a white band may remain even after correction.

Executing correction automatically after flash band detection

In step 2 of the procedure in "Detecting flash bands automatically", select the [Detect and Correct] command instead of the [Detect] command.
Correction starts automatically after automatic detection.

Checking flash band corrected clips

1. In the Tree View pane of an Explorer window, select the folder or media where corrected clips are stored.
   You can specify the destination where corrected clips are stored in the Flash Band tab of the User Configuration dialog.
   See Flash Band tab for more information.
2. Load the clip that you want to check into the Preview window.
3. Click the Flash Band tab in the Preview window.
4. Click the [Load] button.
   A list showing the timecode of correction target frames appears.
   Check that the mark in position bar has changed to dark green (indicated flash band corrected), and that "Corrected" appears in the Status column.

Number of corrected flash bands/
Number of detected flash bands

Marks indicating corrected flash bands

General | A/V Format | Related Info | Essence Mark | Flash Band

Preview   009/009

Timecode	Field	Detection	Status
07:12.49:19	1st	Auto	Corrected
07:12.50:22	2nd	Auto	Corrected
07:12.51:15	1st	Auto	Corrected
07:12.53:20	2nd	Auto	Corrected
07:12.56:10	1st	Auto	Corrected
07:12.57:05	2nd	Auto	Corrected
07:12.59:19	2nd	Auto	Corrected
07:13.00:03	1st	Auto	Corrected
07:13.00:21	1st	Auto	Corrected

Status column

5.   Select the timecode and check the picture displayed on the screen.

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Editing Essence Marks

Essence marks can be added to and deleted from the clip in the Preview window, and the edits can be written back to XDCAM drives.

Displaying essence marks

Essence marks are displayed at the following locations.

- On the position bar of the Preview window.
- On the Essence Mark property tab in the Preview window.

Select Essence Marks on the position bar or the Essence Mark tab to display the essence mark locations in the Preview window.

Adding essence marks

1. Play the clip in the Preview window to display the location where you want to add an essence mark.
2. Do one of the following.
   o Click the Add Essence Mark button in the toolbar.
   o In the [Edit] menu, select [Add Essence Mark].
   o Click the [Add] button on the Essence Mark property tab.

   Added essence marks are labeled (e.g., "_ShotMark1").

Deleting essence marks

1. On the Essence Mark tab or position bar, select an essence mark to delete.
2. Do one of the following.
   o Click the Add Essence Mark button in the toolbar.
   o In the [Edit] menu, select [Delete Essence Mark].
   o Click the [Delete] button on the Essence Mark tab.

Renaming essence marks

1. On the Essence Mark tab or position bar, select an essence mark to rename.
2. Do one of the following.
   o In the [Edit] menu, select [Edit Essence Mark].
   o Click the [Edit] button on the Essence Mark tab.

   The Essence Mark editing dialog appears.
3. Edit the essence mark name, and click [OK].
   Essence mark names can be up to 16 characters.

Writing essence mark edits to a Professional Disc

Edited essence marks on clips recorded on a Professional Disc can be written together to the disc when finished editing.
Tips
Edits are immediately written to clips on the computer and on media other than Professional Discs.

When any essence mark edits are not yet written to a Professional Disc, an asterisk (*) appears at the top of the Essence Mark tab.
Click the [Write to XDCAM disc] button on the Essence Mark tab to apply edits to the disc.
The same operation is available with the [Write to XDCAM disc] button on the General tab.

Creating New Clip Lists

You can create new clip lists using clips from a single media and edit them.
1. In the Explorer window or Offline Media window, right click the ClipList folder of the media on which you want to create the clip list , and select [New ClipList] from the context menu. A new clip list is created, and a dialog for entering the clip list name appears. The canonical name of the clip list will be displayed in the dialog.
2. Edit the displayed canonical name of the clip list to the required name (56 bytes maximum. However, "E0000E01," "E0100E01" to "E9999E01," "E0000," and "E0100" to "E9999" cannot be used.), and click the [OK] button.
   A blank clip list appears in the Storyboard window.
   Add subclips from the Explorer window, Offline Media window, and Preview window, and create the clip list.

Notes

- You cannot create clip lists composed of clips stored on multiple media.
- Up to 99 clip lists can be created on a single media.
- Clip list editing is performed in the work area of this application. Please save to the selected media after editing is complete.
  See Saving Clip Lists for more information about the save operation.

Displaying Clip List Content

You can check and edit the content of clip lists in the Storyboard window.
1. In the Explorer window or Offline Media window, select the desired clip list, and do one of the following.
   - o   Select [Edit ClipList] from the [Edit] menu.
   - o   Right click the item , and select [Edit ClipList] from the context menu.

   When a clip list that is being edited is displayed in the Storyboard window, a dialog asking whether you want to save the clip list or not appears, so save it if necessary.

   The selected clip list appears in the Storyboard window.
   Add subclips from the Explorer window, Offline Media window, and Preview window, and create the clip list.

Notes

- You cannot create clip lists composed of clips stored on multiple media.
- It is not possible to edit a clip list if it contains voice-over data.
- Clip list editing is performed in the work area of this application. Please save to the selected media after editing is complete.
   See Saving Clip Lists for more information about the save operation.

Adding Subclips to a Clip List

You can perform one of the following procedures to add subclips to the clip list displayed in the Storyboard window.
Up to 300 subclips can be added to a single clip list.

- It is not possible to add subclips to a clip list if the clip list contains voice-over data.
- You cannot create clip lists composed of clips stored on multiple media.
- You cannot create clip lists composed of clips with different video formats.
- Clip list editing is performed in the work area of this application. Please save to the appropriate media after editing is complete.
  See Saving Clip Lists for more information about the save operation.

Adding from the Explorer window or Offline Media window

You can add entire clips, or sections between the In and Out points when specified, directly to a clip list as subclips.

1. Specify the positions where the subclips will be added in the Storyboard window as required. When adding subclips using menu commands, the new subclips will be inserted after the selected subclip.
2. From an Explorer or Offline Media window, select the clip you want to use (multiple clips can be selected by clicking them while holding down the Ctrl key or Shift key), and then execute any of the following operations.
    o Drag and drop the selected clip to the desired position in the clip list displayed in the Storyboard window.
      With this method, the subclip will be inserted at the dropped position, regardless of the position specified in step 1.
    o Select [Add SubClip] from the [Edit] menu.
    o Right click the selected area , and select [Add SubClip] from the context menu.

    The new subclip(s) appear in the Storyboard window.
3. In the subclip information section of the Storyboard window, enter a title (up to 127 bytes) and description (up to 511 bytes) for the added subclip as required.
   Click the subclip title or subclip description field, enter the desired text, and then press the Enter key or click outside of the fields.

Adding from the Preview window

You can check scenes before adding them to the clip list. This is a convenient way to add sections specified by In and Out points as subclips.

1. Specify the positions where the subclips will be added in the Storyboard window as required. The new subclips will be inserted after the selected subclip.
2. Load the desired clip to the Preview window, and check the scene.
   See Previewing Clips and Clip Lists for more information.
3. Click the Mark In button at the position you want to use as the first frame of the subclip, and click the Mark Out button at the position you want to use as the last frame.
   In and Out points are set in the clip.

   You can also set the Out point by specifying the In point and duration.
   Duration can be specified by clicking the timecode display of the duration, entering a numeric value, and pressing the Enter key .

In and Out points cannot be set at the same frame. When you try to set an Out (or In) point at a frame where an In (or Out) point has been set, the Out point is automatically set at the next frame after the In point.
4. Play the section specified in step 3, and adjust the In point and Out point positions as required.
5. Do one of the following.
     o   Click the [Add SubClip] button in the Preview window.
     o   Press the Enter key on the keyboard.
     o   Select [Add SubClip] from the [Edit] menu.
     o   Right click within the Preview window , and select [Add SubClip] from the context menu.

The new subclip(s) appear in the Storyboard window.
6. In the subclip information section of the Storyboard window, enter a title (up to 127 bytes) and description (up to 511 bytes) for the added subclip as required.
Click the subclip title or subclip description field, enter the desired text, and then press the Enter key or click outside of the fields.

Editing Clip Lists

You can perform the following edits for subclips included in clip lists displayed in the Storyboard window.
See Adding Subclips to a Clip List for more information about how to add new subclips to a clip list.
Notes
- It is not possible to edit a clip list if it contains voice-over data.
- Clip list editing is performed in the work area of this application. Please save to the appropriate media after editing is complete.
  See Saving Clip Lists for more information about the save operation.

Previewing subclip content

You can check scenes by loading the source clip of the subclip to the Preview window.
When you double click the desired subclip in the Storyboard window, the clip will be loaded to the Preview window.
See Previewing Clips and Clip Lists for more information about Preview window operations.

Moving subclips

You can move subclips within the clip list to change their playback order.

To move via drag and drop
Select the subclip to move in the Storyboard window, and drag and drop the subclip to the desired position.
Hold down the Ctrl key on the keyboard while clicking to select multiple subclips for moving.

To move via cut and paste
1. Select the subclip to move in the Storyboard window.
   Hold down the Ctrl key on the keyboard while clicking to select multiple subclips.
2. Do one of the following.
   - Press the Ctrl + X keys on the keyboard.
   - Select [Cut] from the [Edit] menu.
   - Right click the selection , and select [Cut] from the context menu.

   The selected subclip(s) are cut.
3. Specify the destination for moving.
   To select a destination, click a subclip. The cut subclip will be inserted after this subclip.
4. Do one of the following.
   - Press the Ctrl + V keys on the keyboard.
   - Select [Paste] from the [Edit] menu.
   - Right click the selection , and select [Paste] from the context menu.

   The cut subclip is inserted after the selected subclip.

Copying subclips

You can copy subclips in a clip list.

To copy via drag and drop

1. Select the subclip to copy in the Storyboard window.
   Hold down the Ctrl key on the keyboard while clicking to select multiple subclips.
2. Move the subclip(s) selected with the drag and drop operation to the desired copy destination while holding down the Ctrl key on the keyboard.
   The subclip(s) are copied.

To copy via cut and paste

1. Select the subclip to copy in the Storyboard window.
   Hold down the Ctrl key on the keyboard while clicking to select multiple subclips.
   You can also select [Select All] from the [Edit] menu to select all the subclips in the clip list.
2. Do one of the following.
   o Press the Ctrl + C keys on the keyboard.
   o Select [Copy] from the [Edit] menu.
   o Right click the selection , and select [Copy] from the context menu.

   The selected subclip(s) are copied to the clipboard.
3. Specify the copy destination.
   To select a copy destination, click a subclip. The copied subclip will be inserted after this subclip.
4. Do one of the following.
   o Press the Ctrl + V keys on the keyboard.
   o Select [Paste] from the [Edit] menu.
   o Right click the selection , and select [Paste] from the context menu.

   The subclip(s) copied to the clipboard are inserted after the selected subclip.

Deleting subclips

1. Select the subclip to delete in the Storyboard window.
   Hold down the Ctrl key on the keyboard while clicking to select multiple subclips.
   You can also select [Select All] from the [Edit] menu to select all the subclips in the clip list.
2. Do one of the following.
   o Press the Delete key on the keyboard.
   o Select [Delete] from the [Edit] menu.
   o Right click the selection , and select [Delete] from the context menu.

   The selected subclip(s) are deleted from the clip list.

Trimming subclips

You can select subclips in a clip list, and change their In and Out points.

1. Double click the desired subclip in the Storyboard window to load it to the Preview window, and check the scene.
   See Previewing Clips and Clip Lists for more information about Preview window operations.
2. Click the Mark In button at the position you want to use as the first frame of the subclip, and click the Mark Out button at the position you want to use as the last frame to change the In and Out points as required.
   Tips
   You can also set the Out point by specifying the In point and duration.
   Duration can be specified by clicking the timecode display of the duration, entering a numeric value, and pressing the Enter key .

Notes

In and Out points cannot be set at the same frame. When you try to set an Out (or In) point at a frame where an In (or Out) point has been set, the Out point is automatically set at the next frame after the In point.

3. Play the section specified in step 2, and adjust the In point and Out point positions as required.
4. Do one of the following.
   o Click the [Update Modified Subclip] button in the Preview window.
   o Select [Update Modified Subclip] from the [Edit] menu.

The new In and Out points are applied to the selected subclip.

Specifying or editing the titles and descriptions of subclips

1. Select the subclip for which to specify the title and description in the Storyboard window.
   If a title and description have already been specified for the selected subclip, text will appear in the subclip information section at the right side of the Storyboard window.
2. Click the subclip title or subclip description field, edit the text, and then press the Enter key or click outside of the fields.
   Up to 127 bytes can be entered in the subclip title field, and up to 511 bytes can be entered in the description field.

Saving Clip Lists

Clip list editing is performed in the work area of this application. After creating or editing a clip list, save it to the original media.

Operations from an Explorer window or the Storyboard window

1. In the Explorer window, select the clip list that you want to save.
   An asterisk in front of a file name indicates a clip list that has been edited but not yet saved.
   This step is not necessary when performing operations from the Storyboard window.
2. If performing this operation in an Explorer window, select [ClipList] and then [Save] from the [File] menu.
   When performing the operation from the Storyboard window, click the [Save] button in the Storyboard window, or select [Save] from the [File] menu.
   The [Save] button in the Storyboard window is enabled when the clip list is edited and the edits have not yet been saved.

   The selected clip list is saved to the media.

Operations from the Offline window

1. In the Offline Media window, select the clip list that you want to save.
   An asterisk in front of a file name indicates a clip list that has been edited but not yet saved.
2. Do one of the following.
     - o Select [Update Modified Data] from the [Edit] menu.
     - o Right click the item , and select [Update Modified Data] from the context menu.

   The selected clip list is saved to the media.

Folder and Media Precautions

Always observe the following precautions during processing of folder and media operations.

- Do not power off the computer or media drive before the operation completes.
- Do not eject the media before the operation completes.

Folders for XDCAM EX Clips

XDCAM EX clips are stored together with a BPAV folder. （This folder does not appear in the Explorer window, but it can be seen in Windows Explorer.)）
See About EX format clip data configuration for more information about the BPAV folder.
Whenever you copy or move clips with this application, the BPAV folder is copied or moved along with the clips. You cannot work with clips separately from the BPAV folder.
Notes
Simultaneous access to files may not be possible when you attempt to access the same folder at the same time from several computers over a network connection.

Folders for MXF Clips

A folder for managing MXF clips must have three subfolders: Clip, Edit, and Sub.
For details about the folder configuration, see About MXF format clip data configuration.
Clips cannot be saved in the Clip folder on a Professional Disc unless the following characteristics match those of the existing clips in that folder.

- Frame rate (NTSC/PAL/24p)
- Codec (MPEG IMX/DVCAM/HD4:2:0/HD4:2:2)
- Resolution width (coincidence of resolution height not required).
- Bit rate when the codec is MPEG IMX

These conditions are determined by the format of the clip first saved in the Clip subfolder. When copying MXF clips, it is necessary to check the source clips and the clips existing in the copy destination folder to be sure that these conditions are satisfied.

Creating Folders

Folders cannot be created within the following folders.

- A Clip folder on an XDCAM drive
- A clip list folder
- Folders on a remote host

1. In the Tree View pane of an Explorer window, select the media or folder where you want to create the folder.
2. Do one of the following.
    - o Click the New Folder button.
    - o From the [File] menu, select [Folder] and then select [New Folder].
    - o Select [New Folder] on the context menu displayed by right clicking a media or folder.

    A new folder is created in the media or folder selected in step 1.

Reasons why a folder creation may fail

Folder creation operations may fail for the following reasons. In these cases, an error message appears and the folder is not created.

- You do not have write privileges media or folder selected in step 1.
- The media or folder selected in step 1 is write protected.

- Folders cannot be created when writing is not allowed by the computer file system.
- New folders are created as normal folders. But once the first clip is copied or moved to the new folder, the folder is formatted as an XDCAM EX or XDCAM work folder. (The required subfolders and metadata files are created automatically.))

Renaming Folders

1. Select a folder and do one of the following.
   - From the [File] menu, select [Folder] and then select [Rename].
   - Right click the folder, and select [Rename] from the context menu.

   The folder name is selected, so that now you can edit the name.
2. Enter the desired folder name and press the Enter key , or click outside of the folder name.
   Notes
   - The following folders cannot be renamed.
     - ClipList folder
     - EX and MXF folders within a UserData folder
     - Folders on a remote host
   - Folders cannot be named BPAV and XDROOT.
   - Characters forbidden by the operating system cannot be used in folder names.
   - A folder name comprised of 200 or more characters may not be recognized.

Deleting Folders

1. In the Tree View pane of an Explorer window, select the folder to delete.
2. Do one of the following.
   - Press the Delete key .
   - Click the Delete button.
   - Select [Delete] from the [Edit] menu.
   - Right click the folder , and select [Delete] from the context menu.

   A message appears asking if you want to execute the deletion.
3. Click the [Yes] button to execute the delete, or the [No] button to cancel it.

Notes

- Be careful when deleting folders, because all data in the folder is deleted.
- The following folders cannot be deleted.
  - ClipList folder
  - EX and MXF folders within a UserData folder
  - Folders on a remote host
- Deletions cannot be undone after they finish.

Reasons why folder deletion may fail

Folder deletion operations may fail for the following reasons. In these cases, an error message appears and folder is not deleted.

- You do not have delete/write privileges for the selected folder.
- The selected folder is write protected.
- Other folders exist beneath the selected folder. [a]

a) The following example shows a situation in which a folder (Work1) cannot be deleted.
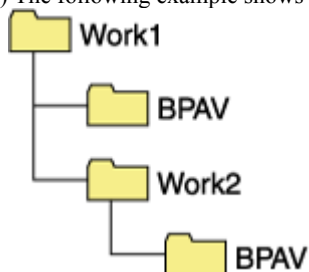
To delete the Work1 folder, the Work2 folder must be deleted first. However, if you use an operating system function to create a folder or file in Work1 while this application is running, then Work1 may be deleted even while the Work2 folder still exists.

Backing up Folders

1. In the Tree View pane of an Explorer window, select the folder that you want to back up.
2. Do one of the following.
    - o Select [Show in Windows Explorer...] from the [File] menu.
    - o Right click the folder and select [Show in Windows Explorer...] from the context menu.

    Windows Explorer starts.
3. Perform your backup operations in Windows Explorer by copying the folder to other media or to another folder.

When a folder is too large to save to your backup media or folder

You can split the folder into smaller folders, and save them on separate discs. Split folders can later be combined to restore the original large folder.
For details, see Splitting Folders and Combining Folders.

Splitting Folders

You can split large folders into smaller folders. This allows you to back up all of the clips in a large folder to media that is not large enough to save the entire folder without splitting. For example, you can split an 8 GB folder into two 4 GB folders in order to save them on 4 GB DVD-R media. The individual files in split folders are not split.

Notes

This operation is not applicable to non-XDCAM EX format folders (such as MXF). It applies only to XDCAM EX folders.

1. In the Tree View pane of an Explorer window, select the folder to split.
2. Do one of the following.
   o Click the Split Folder button.
   o Select [Split Folder...] from the [Clip] menu .
   o Right click the folder , and select [Split Folder...] from the context menu.

   The Split Folder dialog opens.
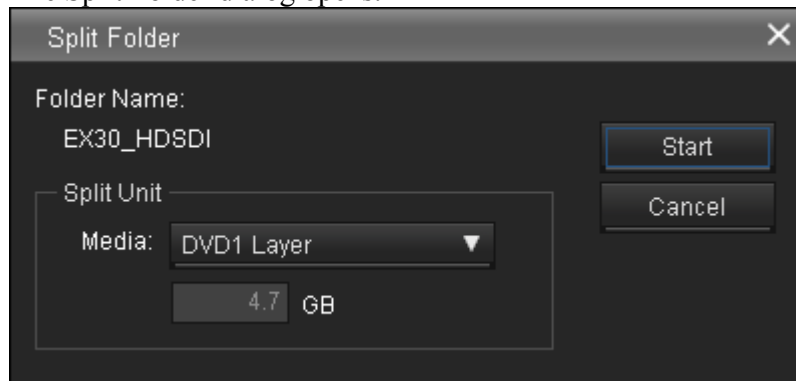
   Notes

   The individual files in split folders are not split. Clips are assigned to the split folders in such a way that the split folders have the specified size. This means that it is not possible to specify a split folder size smaller than the largest file in the original folder. It is also not possible to specify a split folder size smaller than 4 GB.
3. Select the type of media from the [Media] list box.
   The size of the folder after splitting, as determined by the selected media type, appears in the edit box beneath the list box.
   If you select "Arbitrary Size", enter the size (an integer from 4 to 100) in the edit box.
4. Click the [Start] button.
   The folder is split into the minimum number of folders that will produce the specified folder size, and clips are assigned to the smaller folders. The folders produced as a result of the split have the same name as the original folder, followed by serial numbers.

Notes

- Once it starts, a split operation cannot be canceled before it finishes.
- Split clips may be assigned to different folders. If you would prefer that split clips be assigned to other folders, you can move them manually after the folder split.

Combining Folders

You can combine specified folders into another folder. This allows you to restore the original folder from split folders.

Notes

- This operation is not applicable to non-XDCAM EX format folders (such as MXF). It applies only to XDCAM EX folders.
- To become the target of combination, folders must reside on the same directory level and be under the management of this application. For details about folders, see About EX format clip data configuration.

1. In the Tree View pane of an Explorer window, select the destination folder, into which the other folders will be combined.
2. Do one of the following.
   o Select [Combine Folder...] from the [Clip] menu .
   o Right click the folder , and select [Combine Folder...] from the context menu.

   The Combine Folders dialog opens.
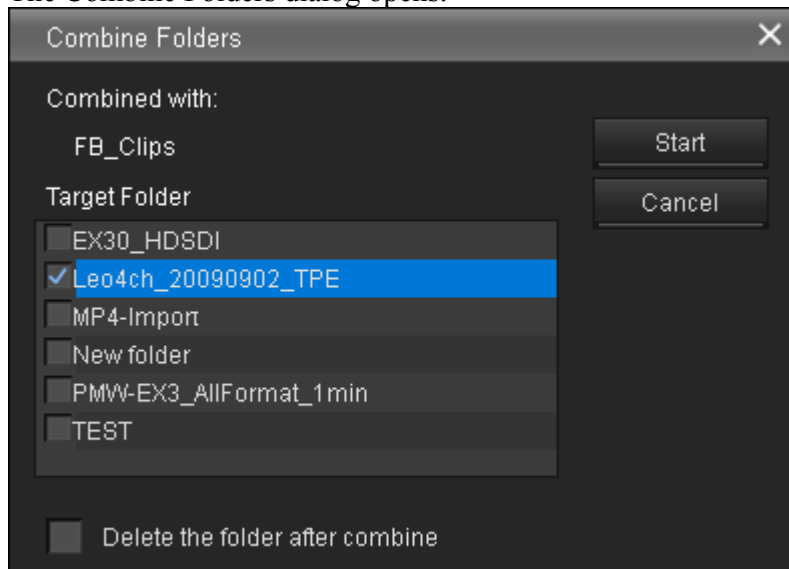
3. Check the check boxes of the folders that you want to combine into the folder selected in step 1. Check the [Delete folders after combine] check box if you want to delete the split folders after the combine.
   Notes
   The combined folders are not deleted when:
   o They contain other folders.
   o You do not have delete/write privileges to the original folders.
   o The folders are write protected.
4. Click the [Start] button.
   The folders selected in step 3 are combined into the destination folder specified in step 1. The clips in all of the folders are gathered into the destination folder. If any of the clips are split clips, they are automatically grouped, allowing them to be handled as a single clip.

Reasons why a folder combine operation may fail

Folder combine operations may fail for the following reasons. In these cases, an error message appears and the combine is not executed.

- There is not enough free capacity in the combine destination folder.

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- You do not have write privileges to the source or destination folders.
- The source or destination folders are write protected.
- Multiple instances of the same clip exist.

Checking/Editing Disc Metadata

You can check and edit the disc metadata (DISCMETA.XML) saved on XDCAM drives, on UDF-formatted SxS memory cards, or in folders with MXF attributes.
See Data Configuration for MXF Format Clips for more information about the DISKMETA.XML save destination.

Notes

Changes to the index picture of disc metadata are performed in the Preview window.
See Changing the Index Picture of Disc Metadata for more information about this operation.

1. In the Tree View pane of an Explorer window or Offline Media window, select an XDCAM drive, a UDF-formatted SxS memory card, or a folder with MXF attributes.
   Remote hosts cannot be selected.
2. Do one of the following.
   o Select [Edit Disc Metadata...] from the [Edit] menu.
   o Right click the XDCAM drive, SxS memory card, or MXF attribute folder , and select [Edit Disc Metadata...] from the context menu.

   The Edit Disc Metadata dialog opens.
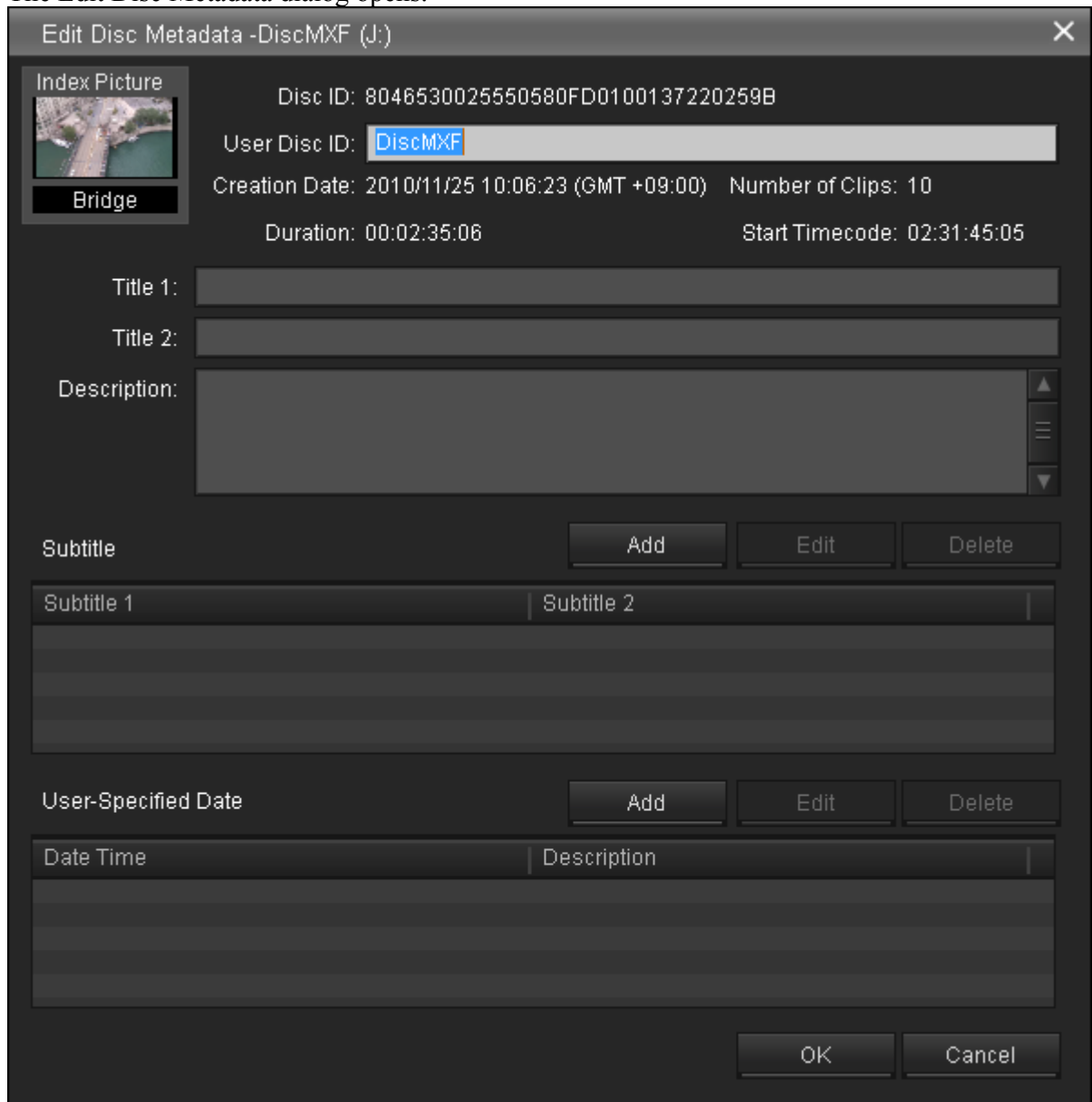
3. Edit the following items as required.
    o User Disc ID (up to 127 bytes)
    o Title 1 (up to 63 bytes)
    o Title 2 (up to 127 bytes)
    o Description (up to 2047 bytes)
4. Enter subtitles for the disc in the Subtitle field as required.
   You can enter up to eight entries. To add an entry, click the [Add] button located above the
   Subtitle list, enter the subtitle in the subtitle editing dialog that appears, then click [OK].
   To modify an existing entry, double-click the entry to be modified, or select the entry and click
   [Edit], then modify the information in the subtitle editing dialog and click [OK].
   To delete an existing entry, select the entry and click [Delete]. Click [OK] when the
   confirmation message asking if you want to delete the entry appears.
    o Subtitle 1 (up to 63 bytes)
    o Subtitle 2 (up to 127 bytes)
5. Enter shooting dates and other information in the user specified date field as required.
   You can enter up to eight entries. To add an entry, click the [Add] button located above the
   user specified date list, enter a date and time specification and description in the user specified
   date dialog that appears, then click [OK].
   To modify an existing entry, double-click the entry to be modified, or select the entry and click
   [Edit], then modify the information in the user specified date dialog and click [OK].
   To delete an existing entry, select the entry and click [Delete]. Click [OK] when the
   confirmation message asking if you want to delete the entry appears.
    o Date and Time (time zone, date, and time specification)
    o Description (up to 63 bytes describing the specified date and time)
6. Click the [OK] button.

Changing the Index Picture of Disc Metadata

During a clip preview, you can change the index picture of the disc on which the clip being previewed is stored.

The index picture of a clip is a part of disc metadata. The index picture can be similarly changed even with the SxS memory card or the MXF attribute folder formatted with UDF apart from a Professional Disc.

1. Play a clip stored on the disc or folder, and display the frame to be used as the index picture.
2. In the [Edit] menu, select [Set Disc Metadata Index Picture].
   The frame currently displayed will be used as the index picture of the disc metadata. You can check changes to the index picture in the Edit Disc Metadata dialog.
   See Checking/Editing Disc Metadata for more information about Edit Disc Metadata dialog operations.

Notes

- If you are previewing a clip that is stored on removable media, do not eject the media until the operation finishes.
- Do not power the computer off until the operation finishes.

Copying a Professional Disc

Disc contents can be copied between Professional Discs with a FAM, FTP, or USB connection.

Notes

- The copy destination should be an empty formatted Professional Disc.
  Copying is not possible to an unformatted disc, or to one with data already present.
- If the source Professional Disc and device support arbitrary clip names but the destination device does not, all copied clips are renamed with canonical names starting from "C0001". When clips are to be renamed, a message is displayed before copying.
  Arbitrary clip names are supported only by version 1.50 or later Professional Disc devices when arbitrary file naming is enabled.
- When a Component folder (a clip list recorded with voice-over data) exists on the copy source Professional Disc, the Component folder must be created beforehand on the destination disc. Component folders are created automatically when the firmware version of the destination Professional Disc device that supports HD422 recording is 1.6 or later, and when the firmware version of the XDCAM drive is 2.3 or later.
- When a UserData folder exists on the copy source Professional Disc, the UserData folder must be created beforehand on the destination disc. UserData folders are created automatically when the firmware version of the destination Professional Disc device that supports HD422 recording is 1.2 or later, and when the firmware version of the XDCAM drive is 2.1 or later.

1. Select the source Professional Disc from the List View pane in an Explorer window.
2. Do one of the following.
   - Select [Disc Copy] from the [Edit] menu.
   - Right click the disc , and select [Copy Disc] from the context menu.

   The Disc Copy dialog appears.
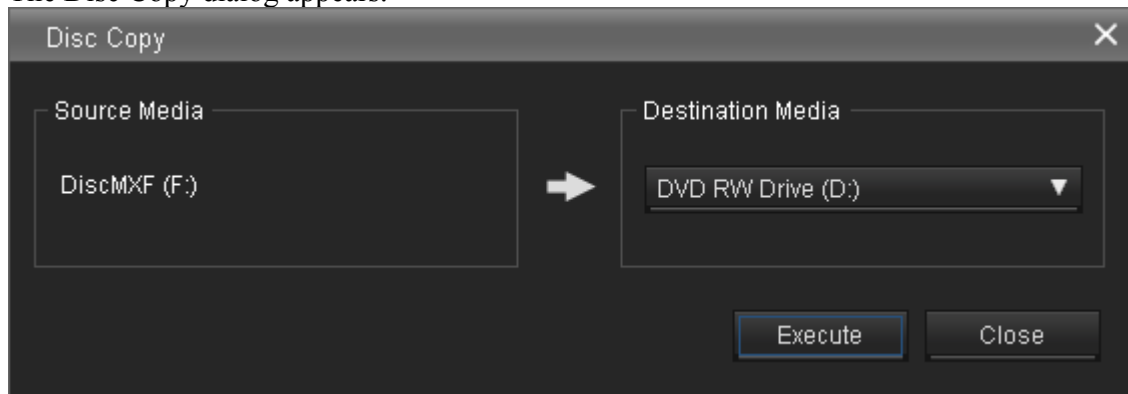
3. Select the destination Professional Disc from the [Destination Media] list.
4. Click the [Execute] button.
   A dialog shows the copy progress.

To cancel the copy operation

Click the [Cancel] button in the progress dialog.

Reasons why a copy operation may fail

Copy operations may fail for the following reasons. In these cases, an error message appears and the copy is not executed.

- There is not enough free capacity at the copy destination.
- Writing on the destination Professional Disc is not authorized.
- The destination Professional Disc is write-protected.

Displaying Planning Metadata

Planning data in a metadata file consists of information about shooting and materials collection.
This program can display planning metadata files saved on discs and in folders.
Planning metadata must be saved in the following subfolders:
General/Sony/Planning
1. Select the disc or folder containing the planning metadata you want to display.
2. Do one of the following.
    o Select [Show Planning Metadata] from the [View] menu.
    o Right click the drive or folder , and select [Show Planning Metadata] from the context menu.

Notes
The menu command cannot be selected unless a planning metadata file exists in the specified folder.
The Planning Metadata dialog appears.
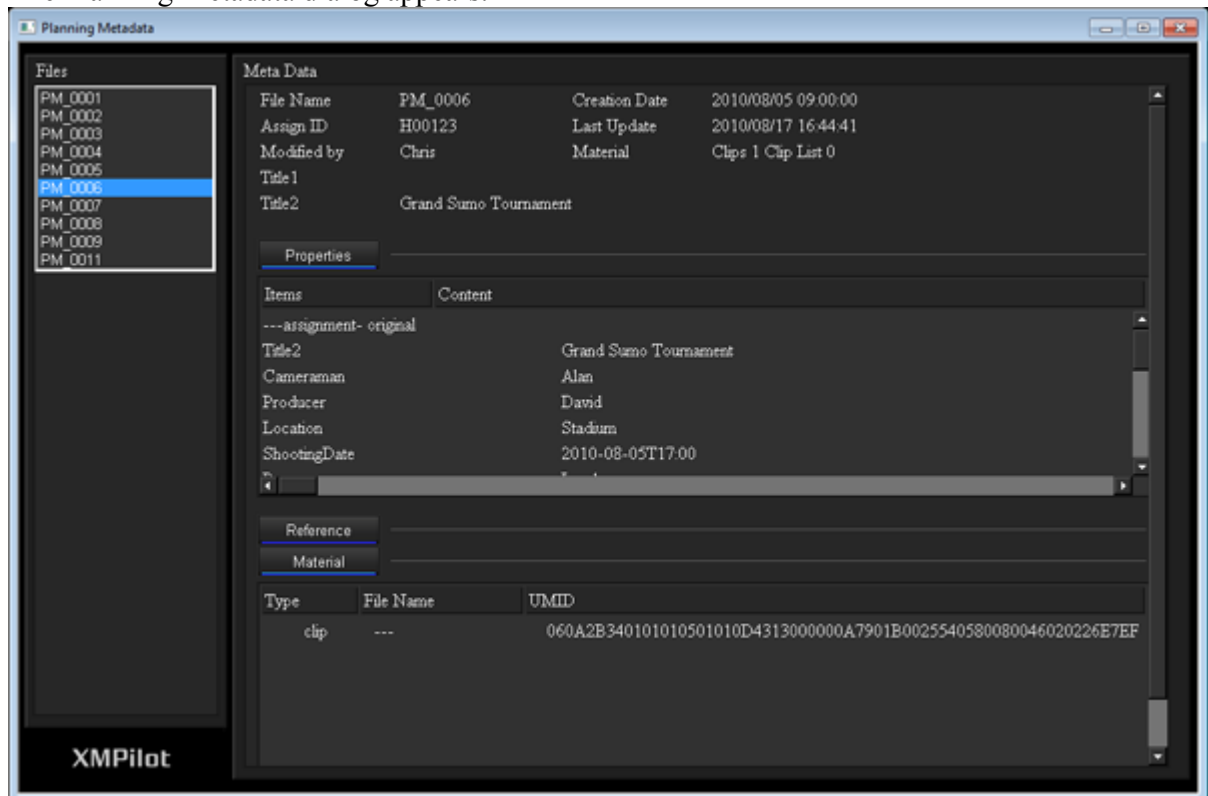
File list display

All planning metadata files are displayed.

Metadata display

This is the information contained in the file selected in the File List View pane.

- Header information: General planning metadata information such as file name, creation date, number of materials, etc.
- Properties: Instructions and remarks (memos)
- Reference: File types, names, titles, and non-MXF file information related to the selected planning metadata
- Material: File types, names, UMIDs, and clip and clip list information related to the selected planning metadata

Formatting Media

Professional Discs and SxS memory cards can be formatted.
Notes
Formatting erases all data on the media.

Applicable media

- Professional Discs inserted in USB-connected XDCAM drives
- SxS memory cards inserted in the card slot on a computer running this program, or in an SxS memory card reader/writer

SxS memory cards cannot be formatted in USB-connected devices.

Formatting Professional Discs

1. In the Tree View panel of an Explorer window, select the Professional Disc to format.
2. Do one of the following.
   - Select [Format Media] from the [File] menu.
   - Right click the drive , and select [Format media] from the context menu.

   The XDCAM drive utility starts.
   Use the utility to format the disc.
   See the utility's help for details.

Formatting SxS memory cards

Quick formatting is available for SxS memory cards.
Notes
This application formats using the UDF file system. Be sure to confirm whether your SxS memory card supports the UDF file system. SxS memory cards that do not support the UDF file system will become unusable.
If reformatting in the FAT file system is necessary, use an SxS-compatible camcorder or deck. Do not format using the formatting tool that is standard-equipped with your operating system.

1. In the Tree View panel of an Explorer window, select the SxS drive to format.
2. Do one of the following.
   - Select [Format media] in the [File] menu.
   - Right click the drive , and select [Format media] from the context menu.

   The Format dialog appears.

3. Make format settings.
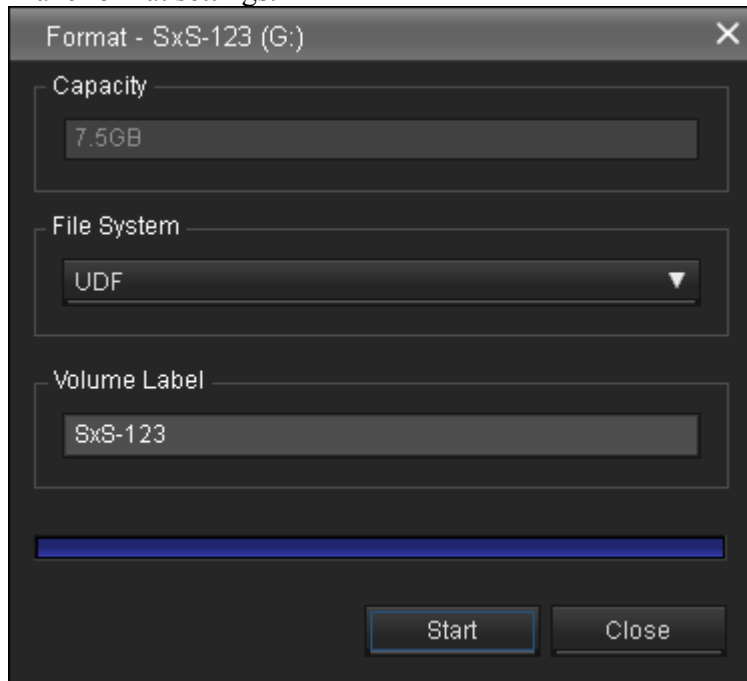
File system: Only UDF can be selected.
Volume label: You can enter a volume label.
4. Click the [Start] button.
Progress is displayed in the dialog.

Loading Clips and Clip Lists From a Professional Disc

You can load proxy (low-resolution) data of MXF-format clips recorded on a Professional Disc to confirm its contents. You can also use the proxy data that you loaded to create and edit clip lists. Select a clip or clip list on a Professional Disc and copy the proxy data to this program's work folder.

1. In an Explorer window, select the clip(s) or clip list(s) you want to copy.
   Multiple items can be selected. Media folders and clip list folders can be selected.
2. Do one of the following.
   o Select [Copy to offline media...] from the [Edit] menu.
   o Click the [Copy to offline media] button.

   The proxy data is copied to the work folder. You can configure settings for this work folder from the Offline tab in the User Configuration dialog.

Notes

- Copying is not available if the same clip or clip list already exists at the destination.
- If the name of a file in a previously loaded clip or clip list does not match the source media, the name is changed to match that of the source media. When a previously loaded clip or clip list is deleted from the source media, it is also deleted from the work folder.

Editing Metadata

You can edit clip and clip list metadata that has been copied to the Offline Media window.
1. Do one of the following to open the Offline Media window.
    o Select [Open offline media] from the [Window] menu.
    o Click the [Open Offline Media] button in an Explorer window.
2. Select a clip or clip list in the Offline Media window to display it in the Preview window.
3. Edit the metadata in the Preview window.
    Clips, clip lists and media can be deleted.

Editable items

For clips

- Status
- Title1 and Title2
- Creator
- Descriptions (comments)
- Essence mark editing (add, delete and rename)
- In/out points

For clip lists

Edit Start TC and DF/NDF settings in the Storyboard window. See Storyboard windows for more information.

- Title1 and Title2
- Creator
- Descriptions (comments)
- Start TC
- DF/NDF setting (NTSC only)

For media (Disc metadata)

See Checking/Editing Disc Metadata for more information about editing disc metadata.

- User Disc ID
- Titles 1 and 2
- Description
- Subtitles 1 and 2 (up to eight entries)
- User specified date (up to eight entries)

Rewriting Edited Data to a Professional Disc

1. Connect the media on which to rewrite data.
2. In the Offline Media window, select the clip, clip list, or folder containing the data to rewrite.
   An asterisk in front of a file name indicates data that has been edited but not yet rewritten.
3. Do one of the following.
   o Click the [Refresh edits] button.
   o Select [Update Modified Data] from the [Edit] menu.
   o Right click the item , and select [Refresh edits] from the context menu.

   A confirmation message is displayed when ready to rewrite.
4. Click [Yes].
   Progress is displayed in the dialog.

To abort

Click the Cancel button.
When aborting refresh of multiple clips or clip lists, those files that have already been refreshed remain valid.

To match names to source media

When the names of files imported to offline media no longer match those on the source media, the offline media file names can be changed to match.
In the Offline Media window, select the media folder, then select [Avoid media collisions] from the [File] menu.
Files are renamed, and those not present on the source media are deleted.

Copying High-Resolution Data

High-resolution clip data that has been copied to the Offline Media window can be copied to other media or devices.
High-resolution data can be copied to the following devices.

- Professional Discs other than the source disc
- The computer running this program

1. Connect to the source Professional Disc.
2. In the Offline Media window, select the clip(s) to copy.
   Multiple clips can be selected.
3. Do one of the following.
   - o Select [Copy] from the [Edit] menu.
   - o Right click the clip(s) , and select [Copy] from the context menu.
4. In the Explorer window, select the destination disc or folder, and do one of the following.
   - o Select [Paste] from the [Edit] menu.
   - o Right click the item , and select [Paste] from the context menu.

   The copy process starts. Progress is displayed in the dialog.
You can also copy high-resolution data by dragging clips selected in the Offline Media window and dropping them into discs or folders in an Explorer window.
Notes
- Copying is not available if the same clip already exists at the destination.
- When clip metadata in the Offline Media window has been edited and not yet rewritten to the source disc, the edits must be refreshed before rewriting, so copying is slower.

About Network Connections

Files can be transferred between XDCAM devices and servers over a network.
Communicating objects may include XDCAM devices and servers connected using FTP.
Files can be transferred between networked XDCAM devices by drag and drop or by menu operations, the same as for local devices. Files can be transferred between networked servers by uploading and downloading to a specified server.
Networked XDCAM devices and servers must be registered as remote hosts beforehand.
Tips
Connection may be blocked if the firewall is enabled on the computer being used. In such cases, connection can be made by checking "PASV Mode" in the Register Remote Host dialog.
See Registering remote hosts for more information.
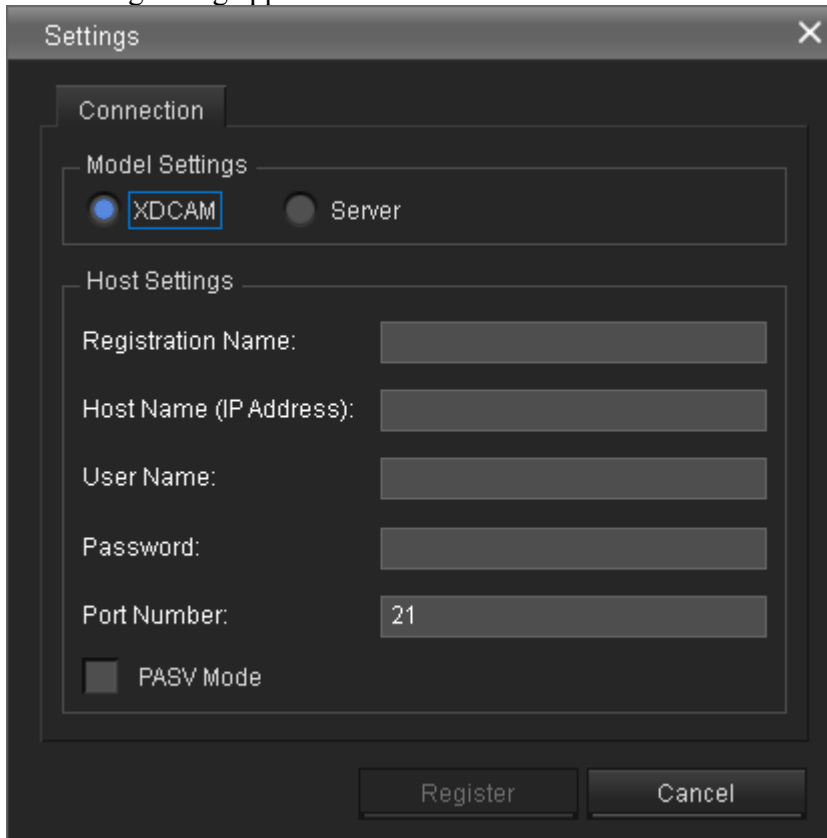
Registering Remote Hosts

To use an XDCAM device or server on a network, it must first be registered as a remote host. You can register up to 16 remote hosts.

Registering a new host

1. Select [Register remote host] from the [Tools] menu.
   The register remote host dialog appears.
2. Click the [New Host] button.
   The setting dialog appears.

3. Select a device (XDCAM or Server).
4. Enter the host information.
   Registration name: Enter the name to appear in the connection dialog.
   Host name (address): Enter the host name or IP address of the host to be connected.
   User name: Enter the user name for connecting to the host.
   Password: Enter the password for connecting to the host. Entered password characters are displayed as asterisks.
   Port number: Enter the port number of the host. The default setting is port 21.
   PASV Mode: Select this to transfer using passive mode.
5. Click the [Register] button. The host is registered and the setting dialog closes.

Editing the host information

1. Select the host to edit in the remote host registration dialog.
2. Click the [Edit] button.
   The setting dialog appears.
3. Edit the host information.

4. Click the [Register] button.

If a host is currently connected, only the registration name can be edited.

Deleting a host

Click the [Delete] button in the remote host registration dialog.

Uploading Clips to an FTP Server

Clips on an XDCAM drive can be uploaded to a server using FTP.
1. In an Explorer window, select the XDCAM drive (or clips on the XDCAM drive) to be uploaded.
2. From the [File] menu, select [Remote] and then select [Upload...].
   The Upload Clip dialog appears.
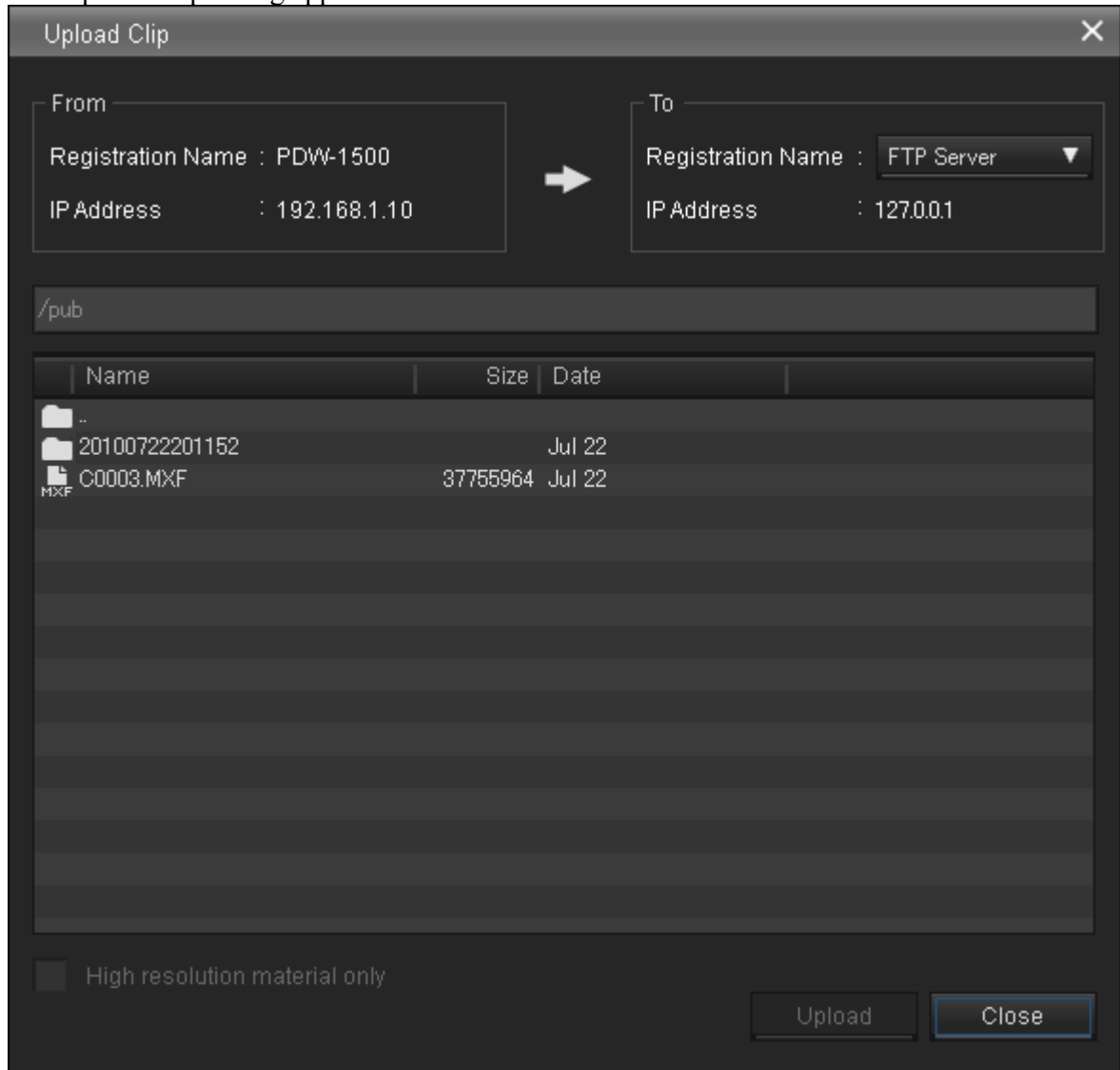
3. In the To [Registration name] list box, select the destination server for clip uploading.
   Connect to the selected server, so the server's folders and files are displayed.
4. Select the destination folder for the clips.
5. When selecting the clips in step 1, select the [High resolution material only] check box to specify the material type to be uploaded.
   Check: High resolution material only is uploaded.
   Do not check: High resolution material, proxy data, and metadata is uploaded.
   When an XDCAM drive is selected in step 1, the [High resolution material only] check box cannot be selected. All materials on the XDCAM drive are uploaded.
6. Click the [Upload] button.
   The clips are uploaded. Progress is displayed in the dialog.

When an XDCAM drive is selected, a folder with the upload date is immediately created under the specified folder at the upload destination, and the clips are uploaded to that folder.

Downloading Clips from an FTP Server

Clips stored on an FTP server can be downloaded to an XDCAM drive.
1. In an Explorer window, select the destination XDCAM drive for the downloaded clips.
2. From the [File] menu, select [Remote] and then select [Download...].
   The Download Clip dialog appears.
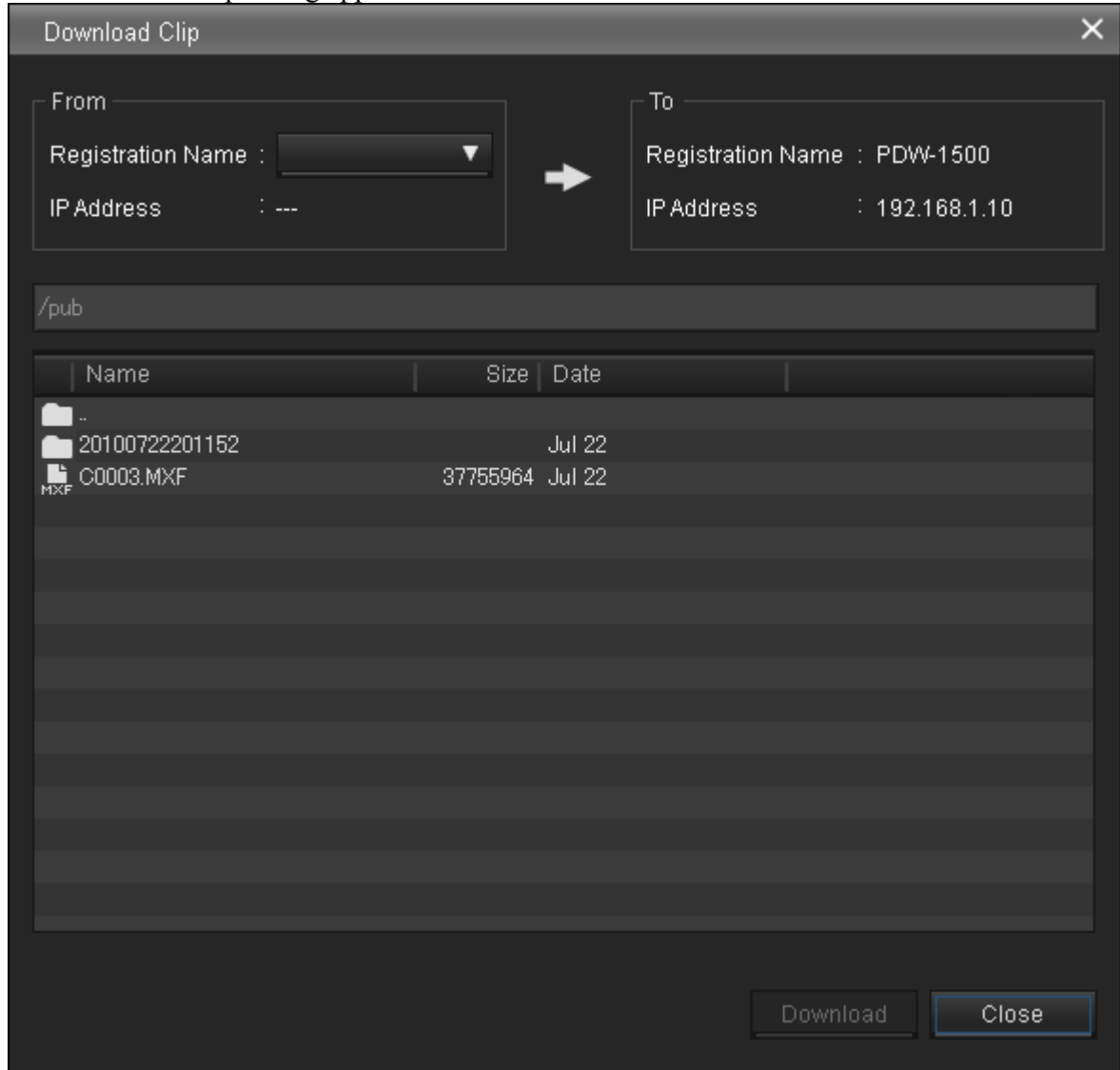
3. In the From [Registration name] list box, select the server from which to download clips.
   Connect to the selected server. The server's folders and files are displayed.
4. Select the clips to download.
5. Click the [Download] button.
   Downloading starts, and progress is displayed in the dialog.

Opening the User Configuration Dialog

You can configure settings for this application in the User Configuration dialog.
To open the User Configuration dialog, select [Options...] from the [Tool] menu.

General Tab
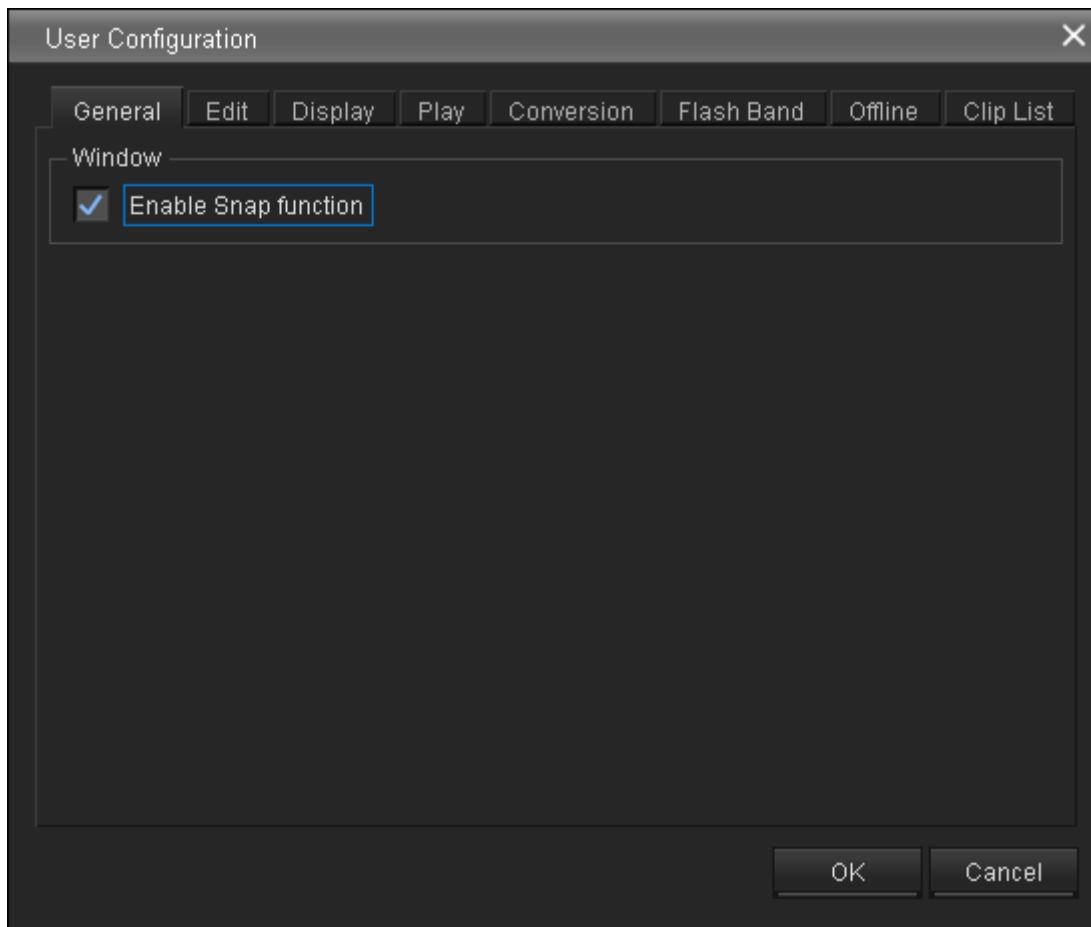
Window

Selects whether to enable the snap function. The snap function works as follows.

- When you drag a window close to another window, the window snaps into position so that the windows edges come into contact.
- When you resize a window by dragging its border, neighboring windows are also resized while preserving the window layout.

Edit Tab
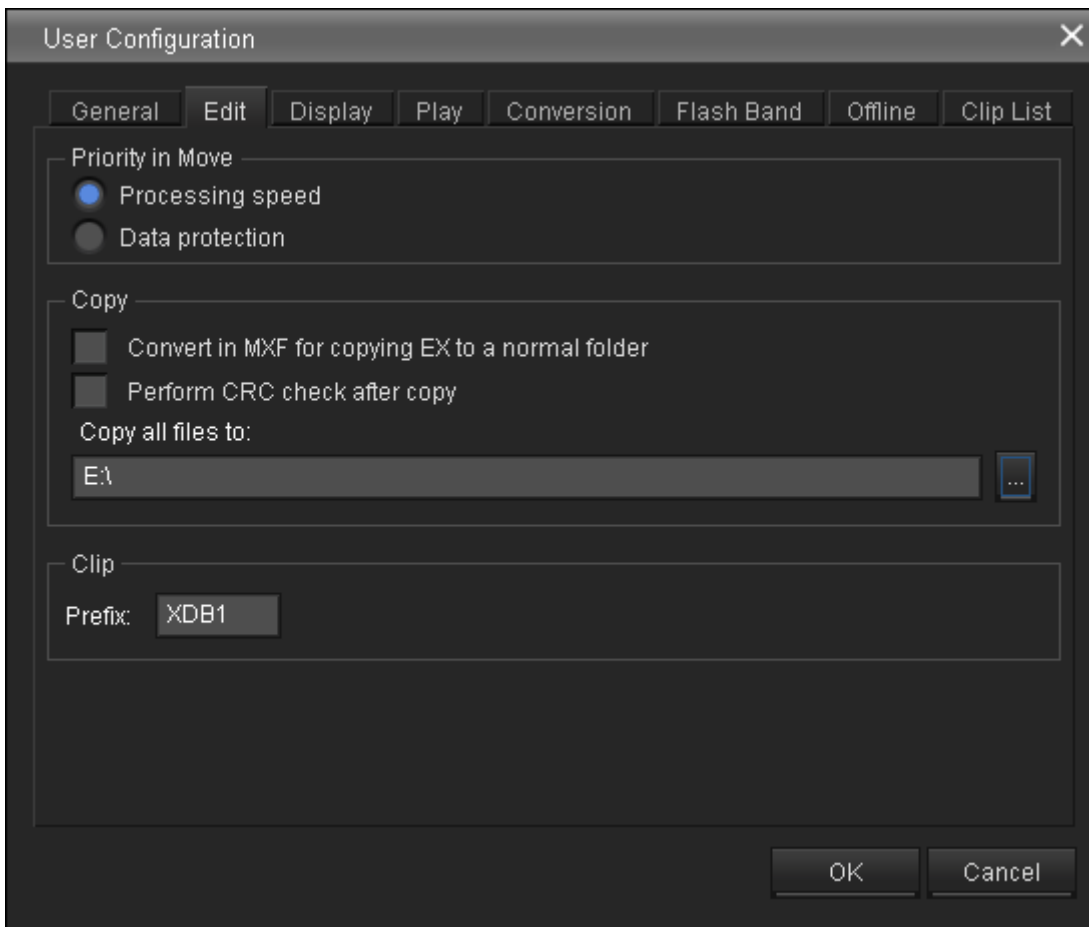
Priority in Move

Specifies whether to prioritize processing speed or data protection when moving clips.

- **Processing speed**: Move the clip, without creating a duplicate of the clip.
- **Data protection**: Create a duplicate of the clip in the move destination, and delete the original clip.

Copy

Convert in MXF for copying EX to a normal folder: When EX format files are copied to a normal folder (without EX or MXF attributes) with this check box checked, the copies are automatically converted to the MXF format.

Perform CRC check after copy: When this check box is checked, the application performs a CRC (cyclic redundancy check) error check after copying a file, and displays a message if a copy error is detected.

Copy all files to: Specifies the destination folder when [Copy All] is executed from the toolbar or menu.

Enter a path beginning with a drive name in the edit box. Or click the [...] button to open a browse dialog where you can select a folder, and then click the [OK] button.

Clip

Prefix: When MP4 or DV-AVI files that do not follow the file naming convention of the XDCAM EX device ("<up to four characters><four digit number>_<two digit number>") are imported, this specifies up to four characters added to the start of the file names.
This prefix is used in the name of the imported clip, and the name of the folder where the clip will be saved.

Display Tab
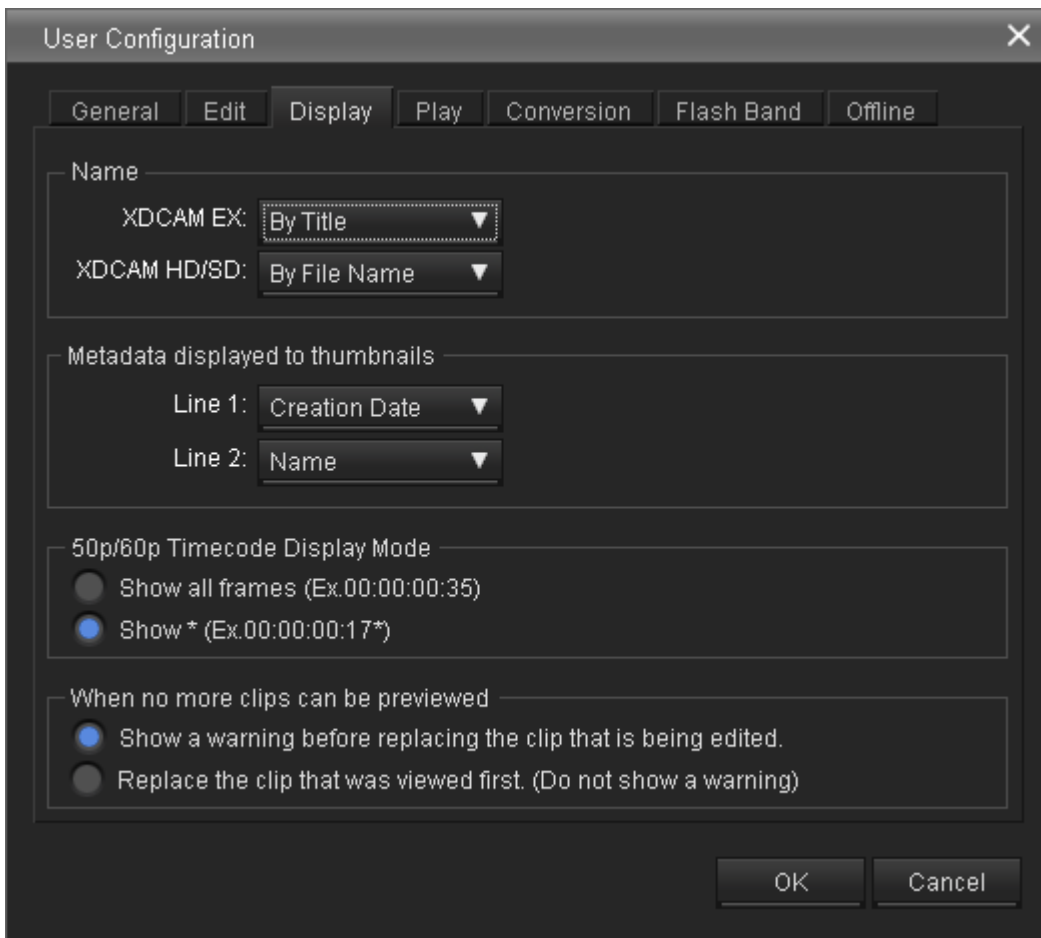
Name

Selects what to display for names in the List View pane.

- **By Title**: Displays titles for names.
- **By Filename**: Displays file names for names.

Notes
If a title does not exist, the file name is displayed, regardless of this setting.

Metadata displayed to thumbnails

Displays list boxes that allow you to select metadata properties to be displayed on the first and second lines beneath thumbnails. The properties appear when thumbnails are displayed in the List View pane of an Explorer window. Select a property for each line from the following.

- Format
- Name
- File Name
- Creation Date
- Bit Rate
- fps
- Resolution
- Length

50p/60p Timecode Display Mode

Specifies the timecode display format when the frame frequency of the playback clip is 50p or 60p.
Show all frames: The frame number increases on each frame. (Example of frame number display for 60p clips: 00→01→02→...→58→59→00→...)
Show *: The frame number increases on every second frame. An asterisk (*) is added to indicate the second frame in each frame number pair. (This is the display format used by Sony VTRs.) (Example of frame number display for 60p clips: 00→00*→01→...→29→29*→00→...)

Notes

Display of all timecode data is not guaranteed with the playback function of this software. Depending on the display processing load on the computer, asterisks (*) may not be displayed.

When no more clips can be previewed

Species what to do when the maximum number of clips that can be previewed in the Preview window at one time (total number of open windows and tabs) is exceeded.

- Show a warning before replacing the clip that is being edited.
- Replace the clip that was viewed first. (Do not show a warning)

Play Tab
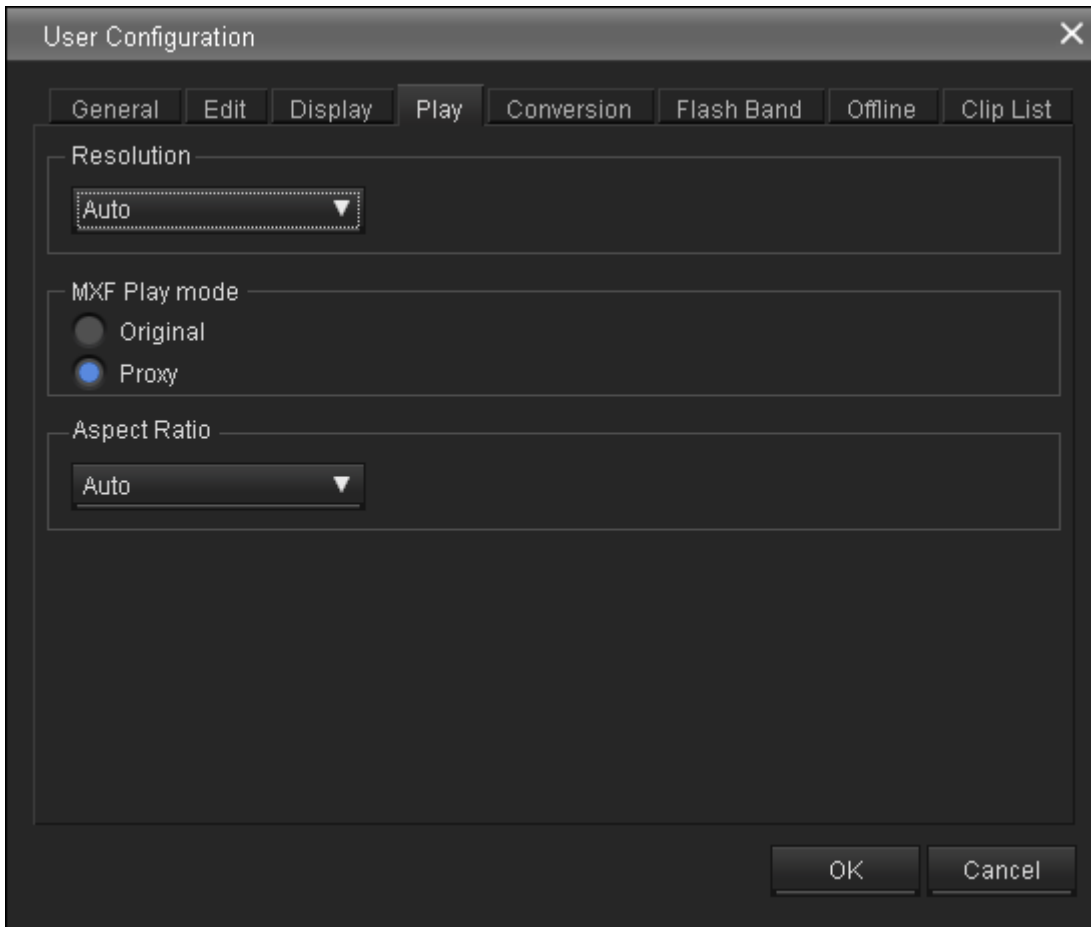
Resolution

Specifies the preview playback resolution.
This setting is not applied when playing proxy AV data

- **Auto**: Decodes the playback video at a resolution which is automatically adjusted to match the screen size.
- **Normal**: Decodes the playback video at the original resolution of the clip, regardless of the screen size.
- **1/2, 1/4**: Decodes the playback video at half or quarter resolution. The image quality is lower, but response is better because of the lower demands placed on the decoder.

MXF Play mode

Specifies the playback mode of MXF clips.

- **Original**: Plays the clips at high resolution (plays MXF clips as is).
- **Proxy**: Plays the clips at low resolution (plays the proxy AV data).

Aspect Ratio

Specifies the aspect ratio of the index pictures and preview images for SD clips.

- Auto: Selects 16:9 or 4:3 automatically, according to the aspect ratio of the clip.
- 16:9
- 4:3

Conversion Tab
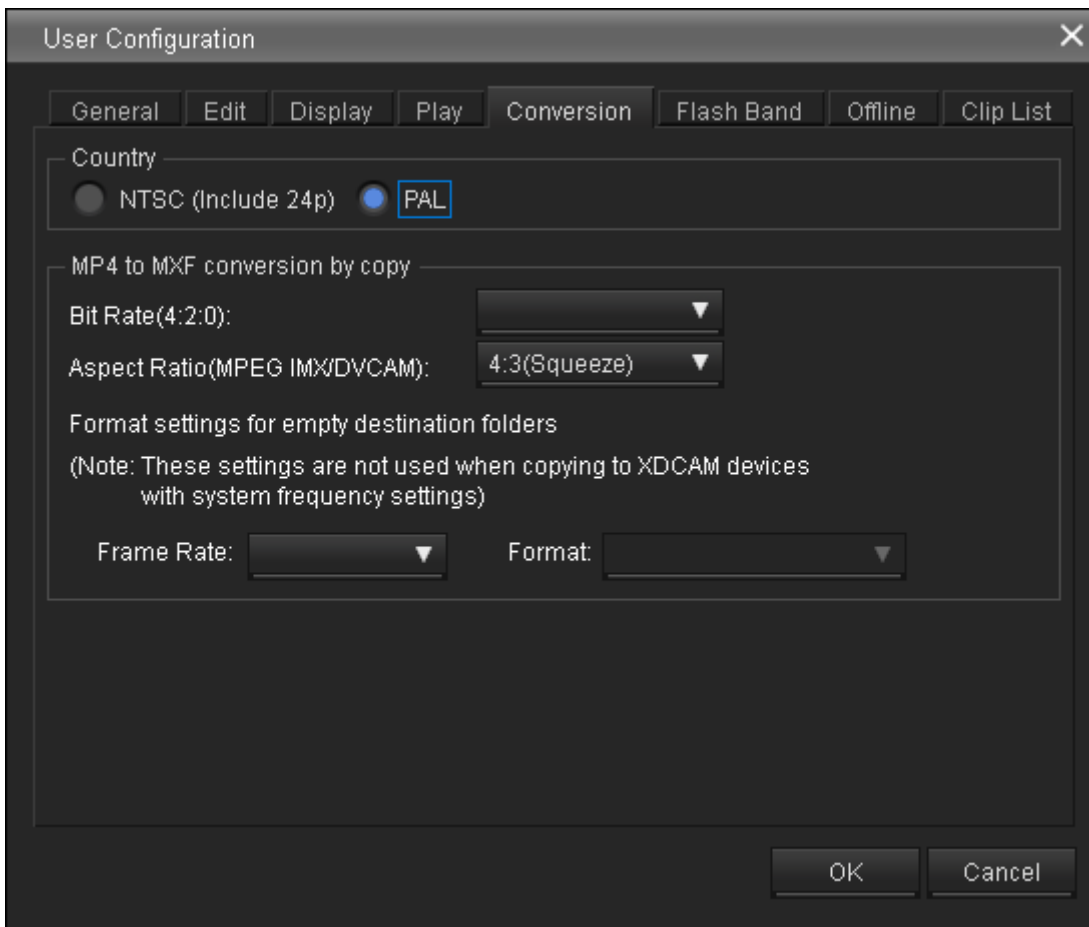
Country

Specifies the video system adopted in the region where the application is used.

- NTSC (Include 24p)
- PAL

MP4 to MXF conversion by copy

Specifies the recording format to be used when converting files from MP4 to MXF format.

Bit Rate
For files in the 4:2:0 color format, specifies the bit rate of the converted file when file format conversion is performed by a copy operation. Select from the following. (The bit rate for clips in the 4:2:2 format is fixed at 50Mbps.)〉

- 18Mbps
- 25Mbps
- 35Mbps

Aspect Ratio
Specifies the angle of view to use when converting to MPEG IMX or DVCAM format.

- **4:3 (Squeeze)**: Compresses the 16:9 image from the left and right sides.

- **4:3 (Letter Box)**: Masks the top and bottom of the 4:3 screen with black bars, and displays the 16:9 image in the center of the screen.
- **4:3 (Edge Crop)**: Crops the left and right edges of the 16:9 image.

Format settings for empty destination folders

Specifies the frame rate and format to use when no clip exists at the copy destination during a conversion by copy operation. The following combinations of the values can be set.

Country	Frame Rate	Format
NTSC	60i/60p/30p	4:2:0 18Mbps (x1080)
		4:2:0 25Mbps (x720)
		4:2:0 25Mbps (x1080)
		4:2:0 35Mbps (x720)
		4:2:0 35Mbps (x1080)
		4:2:2 50Mbps (x720)
		4:2:2 50Mbps（x1080）
		MPEG IMX 50Mbps
		DVCAM 25Mbps
	24p	4:2:0 18Mbps (x1080)
		4:2:0 25Mbps (x1080)
		4:2:0 35Mbps (x1080)
		4:2:2 50Mbps （x1080）
PAL	50i/50p/25p	4:2:0 18Mbps (x1080)
		4:2:0 25Mbps (x720)
		4:2:0 25Mbps (x1080)
		4:2:0 35Mbps (x720)
		4:2:0 35Mbps (x1080)
		4:2:2 50Mbps (x720)
		4:2:2 50Mbps （x1080）
		MPEG IMX 50Mbps
		DVCAM 25Mbps

Flash Band Tab
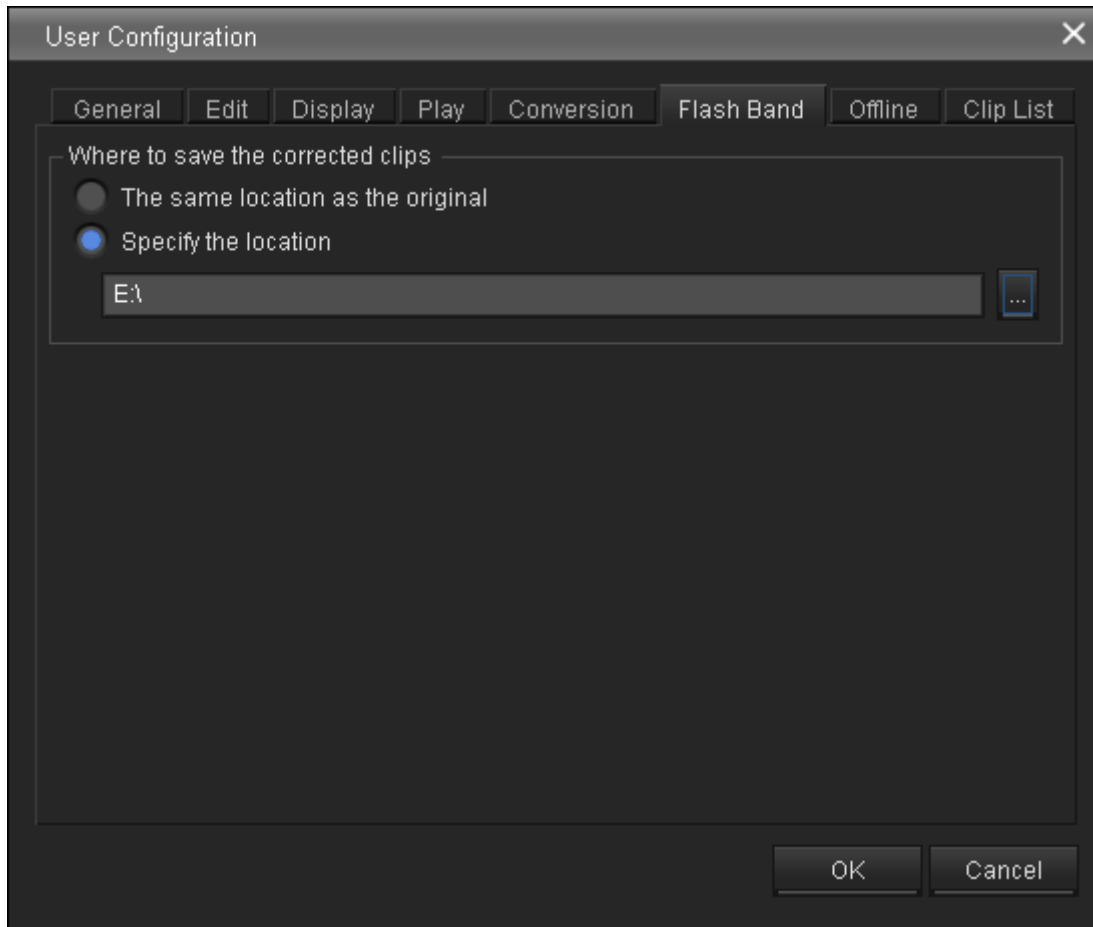
Where to save the corrected clips

Specifies the destination folder where this software will save duplicate clips created by the flash band correction function.

- The same location as the original
- Specify the location: Enter a path beginning with a drive name in the edit box. Or click the [...] button to open a browse dialog where you can select a folder, and then click the [OK] button.

Offline Tab
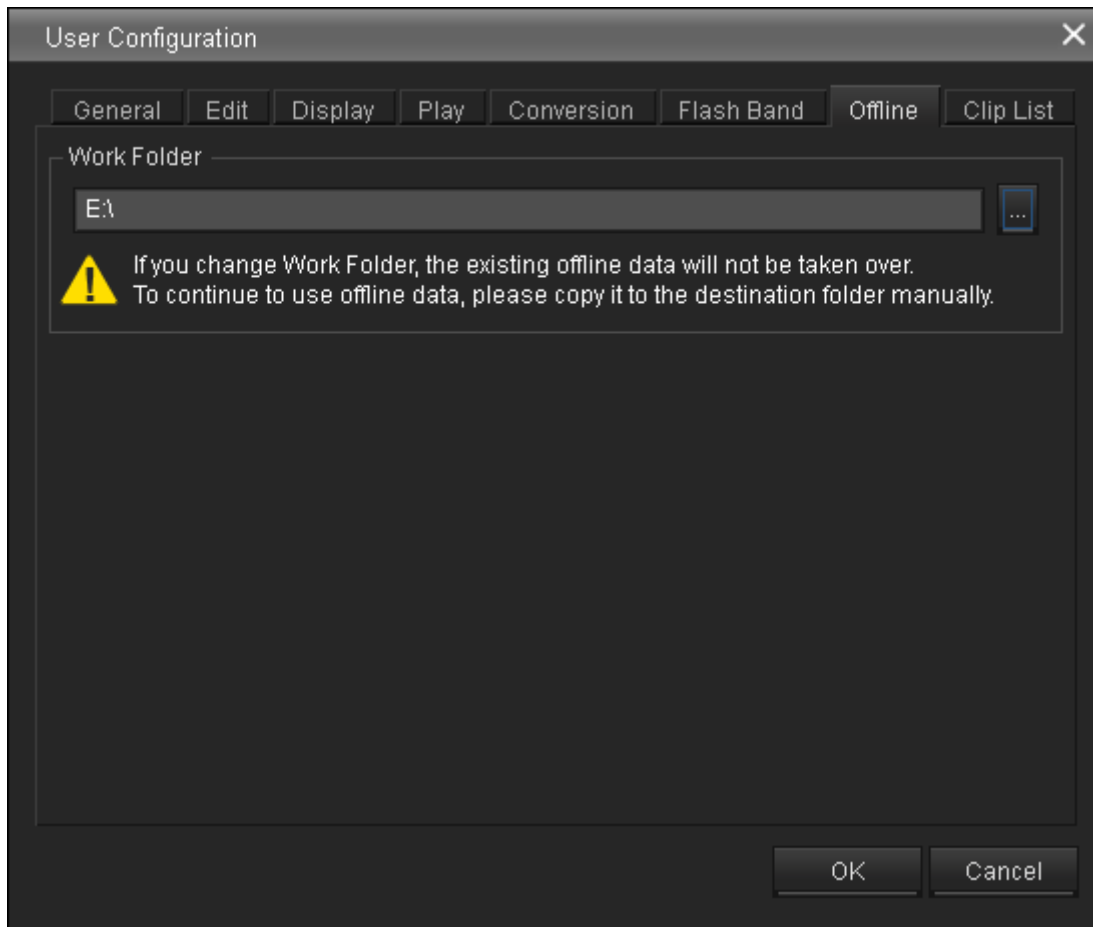
Work Folder

Specifies the storage folder for offline media.

Notes

If you change the work folder setting, existing offline media is not carried over.

To continue using the offline media, use Windows Explorer to copy the offline media to the new work folder. Operations for the new folder can be performed in the same way as before the change.

Clip List Tab
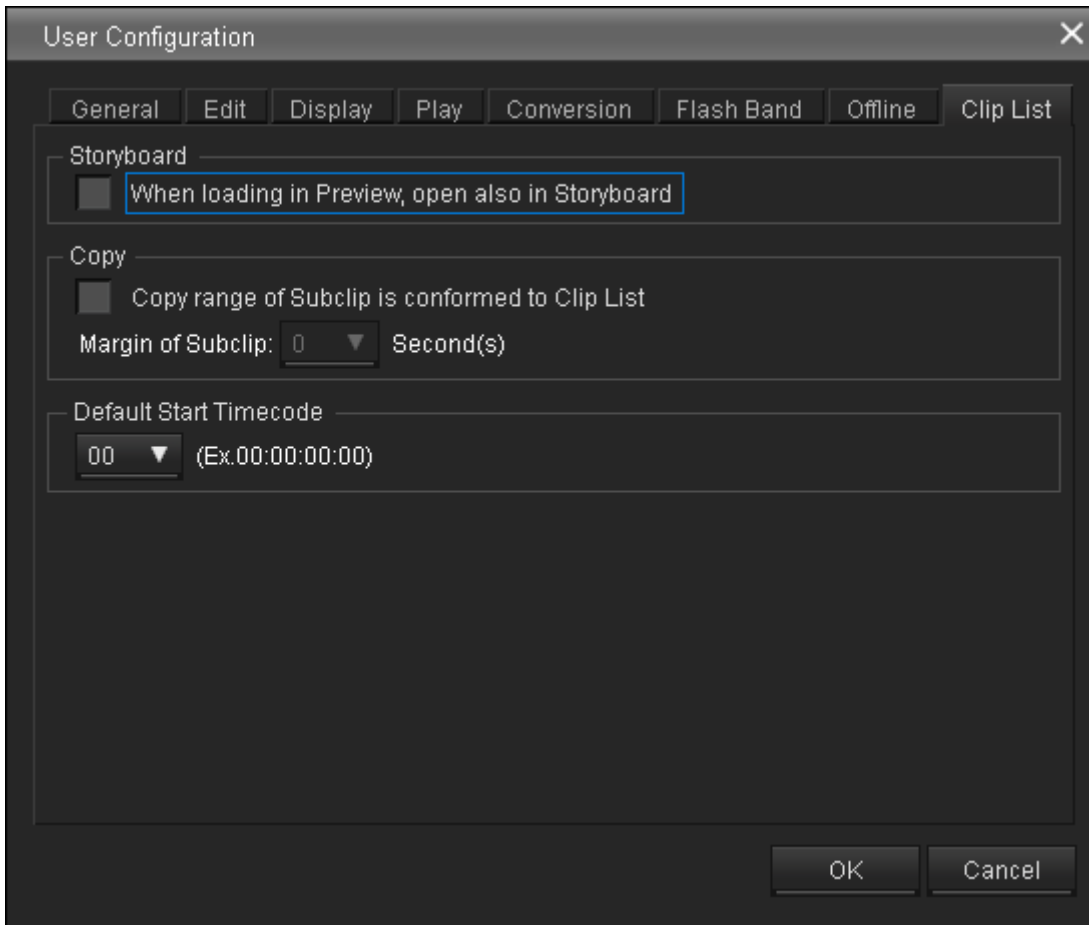
Storyboard

When loading in Preview, open also in Storyboard: When this check box is selected and you double-click a clip list in the Explorer window or Offline Media window, the Storyboard window appears in addition to the clip list being loaded to the Preview window.

Copy

Copy range of Subclip is conformed to Clip List: When this check box is selected and you copy a clip list, only the sections between the In and Out points of each material clip will be copied. When this check box is cleared, clips are copied in their entirety.

Margin of Subclip: When the above [Copy range of Subclip is conformed to Clip List] check box is checked, this specifies the length of the margins that are inserted before the In points and after the Out points. Margins with durations determined by the number of seconds you selected will be inserted before the In points and after the Out points.

When the check box is cleared, this setting is ignored.

Default Start Timecode

Configure the initial hour value for the start timecode that is specified during the creation of a new clip list. You can modify the start timecodes for individual clip lists in the Storyboard window.

When you configure an hour value, a sample of the initial start timecode that will be specified appears to the right.

How XDCAM EX Clip Data are Configured

Recording format

This application supports the format specified for XDCAM EX devices. This format has the following specifications.

- Folder names and the folder configuration are as shown in the following figure.
- Files contain link information pertaining to links between files and folders.

Notes
- Do not use tools that do not support the XDCAM EX format to edit, delete, move, or rename the files and folders used by this application. Unless the format specifications are observed, files can become unreadable by XDCAM EX devices and by this application.
- Clips that were created on, copied to, or moved to media other than SxS PRO and SxS-1 memory cards using this application may not play on XDCAM EX devices in some cases.

Recording folders

The configuration of video and metadata folders is as shown in the following figure.
In the XDCAM EX format, the data beneath the BPAV folder is handled as a single set of data.
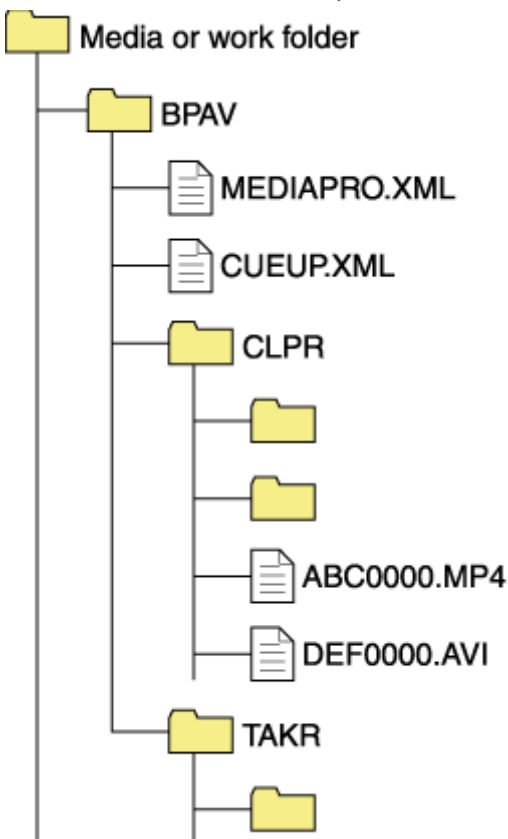
- One BPAV folder exists when a work folder is opened in Windows Explorer.
- To copy and backup your data, select the folders beneath the BPAV folder.
- When a work folder is selected in a Tree View pane of Explorer window, a list of clips registered in the BPAV folder appears in the corresponding List View pane. AV data is saved in the folders beneath the CLPR folder.
- On the media used by XDCAM EX devices, the BPAV folder is created beneath the root folder of the media.

- When MP4 files are imported to a work folder, new folders are created beneath the CLPR folder, and the imported clips are moved to those folders. Folder names are assigned automatically.
- When a work folder is selected in a Tree View pane of Explorer window and the CLPR folder in the work folder has some MP4 files, new folders are created beneath the CLPR folder, and the MP4 files are moved to those folders (the effect is the same as importing the MP4 files). [a]
- When unregistered AVI file exist in the CLPR folder, and that folder is accessed from an Explorer window, those AVI files are registered as management targets (processed like import files). However, importing cannot be performed if the file names do not follow the XDCAM EX naming conventions.
- On media supported by XDCAM EX devices, up to 600 clips can be registered in one recording folder.

a) This process does not work in the UserData folders on XDCAM drives.

Notes

Folder and file names are linked to metadata files. Do not change them.

How MXF Clip Data are Configured

Recording format

This application supports the format specified for XDCAM devices. This format has the following specifications.

- Folder names and the folder configuration are as shown in the following figure.
- Files contain link information pertaining to links between files and folders.

Notes

- Do not use tools that do not support the MXF format to edit, delete, move, or rename the files and folders used by this application. Unless the format specifications are observed, files can become unreadable by XDCAM devices and by this application.
- It may not be possible for XDCAM devices to play clips that this application has created on, copied to, or moved to media other than Professional Discs (XDCAM drives).

Recording folders

The configuration of video and metadata folders is as shown in the following figure.
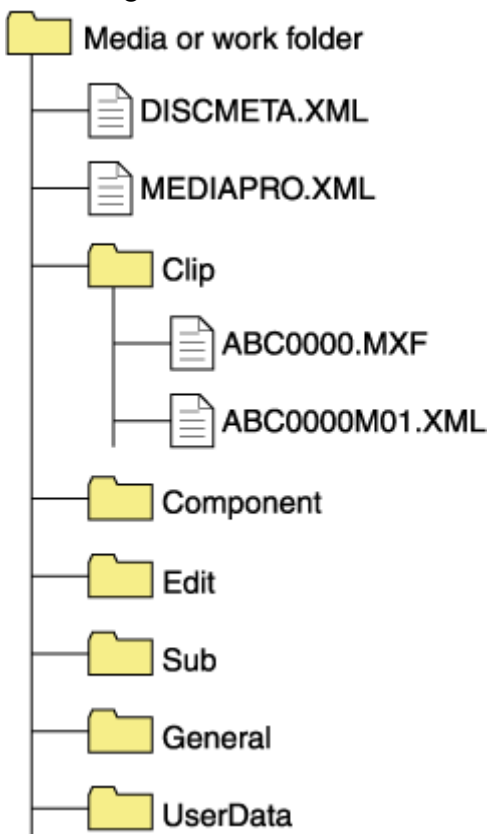
- This application recognizes a folder containing the four subfolders -- Clip, Component, Edit, and Sub -- as a folder with MXF attributes, and browses the Clip folder.
- If file format conversion is executed by copying files to a normal folder, DISCMETA.XML and MEDIAPRO.XML files, and Clip, Component, Edit, Sub, and General folders are automatically created, and then the format-converted files are copied to the Clip folder. (For example, when the file named ABC0000.MP4 is copied to a work folder, the format is converted to MXF and the files named ABC0000.MXF and ABC0000M01.XML are automatically created and saved in the Clip folder.))

- Files other than MXF format files can also be stored in the UserData folder, without converting the files. This application can also browse and handle files stored in the UserData folder.

- Folder and file names are linked to metadata files. Do not change them.
- Even if you configure clip data like MXF clip data in an EX folder using Windows Explorer or other file management tools, this application gives priority to the XDCAM EX format so that you cannot operate MXF clips.

For details about the data configuration for MXF clips, refer to the Operating Instructions or Operation Manual supplied with the XDCAM device.

Menus When Only the Main Window is Open

File menu

Command	Subcommand	Keyboard shortcut	Function
Exit	—	Alt + F4	Quits this application.

View menu

Command	Subcommand	Keyboard shortcut	Function
Message Options	Reset to the Default	—	Subsequently displays the message box which was set to be hidden by the setting of the [Do not show this message in the future.] check box.

Tool menu

Command	Subcommand	Keyboard shortcut	Function
Options...	—	—	Opens the User Configuration dialog.
Register Remote Host	—	—	Opens the Register Remote Host dialog.

Window menu

Command	Subcommand	Keyboard shortcut	Function
New Explorer Window	—	—	Opens a new Explorer window.
New Preview Window	—	—	Opens a new Preview window.
Show Offline Media	—	—	Opens the Offline Media window.
Show Storyboard	—	—	Opens the Storyboard window.
Window Layout	Default	—	Optimizes the positions of Explorer and Preview windows in the main window.
	Storyboard	—	Optimizes the positions of Explorer, Preview, and Storyboard windows in the main window.

| | Storyboard (Offline) | — | Optimizes the positions of Offline Media, Preview, and Storyboard windows in the main window. |

Help menu

Command	Subcommand	Keyboard shortcut	Function
XDCAM Browser Help...	—	—	Displays the online Help.
About XDCAM Browser...	—	—	Displays the version of this application.
About MainConcept Conversion Pack...	—	—	Displays the version of the MainConcept plug-in software.

Menus When an Explorer Window or the Offline Media Window is Active

File menu

Command	Subcommand	Keyboard shortcut	Function
Folder	New Folder	Ctrl + N	Creates a new folder in the currently selected media or folder.
	Rename	Ctrl + R	Renames the selected folder.
Show in Windows Explorer...	—	—	Opens the selected folder in Windows Explorer, so that you can back up the folder contents.
Import...	—	—	Imports a file to the selected folder.
Export	MXF for NLEs...	—	Converts the selected clip to MXF format, for use on non-linear editors.
	MXF for XDCAM HD...	—	Converts the selected clip to XDCAM HD format.
	MXF for XDCAM HD422...	—	Converts the selected clip to XDCAM HD422 format.
	MXF for XDCAM MPEG IMX...	—	Converts the selected clip to XDCAM MPEG IMX format.
	MXF for XDCAM DVCAM...	—	Converts the selected clip to XDCAM DVCAM format.
	Raw DV...	—	Converts the selected clip to RAW DV format.
	AVI DV...	—	Converts the selected clip to AVI DV format.
	Windows Media File...	—	Converts the selected clip to Windows Media file format.
	Sony PSP (H.264/AVC)...	—	Converts the selected clip to a format for viewing on the PlayStation Portable (PSP) game console.
	Apple iPod (H.264/AVC)...	—	Converts the selected clip to a format for viewing on the Apple iPod.
	Video Hosting Service...	—	Converts the selected clip to a format for uploading to video hosting service.
Clip lists	New Folder	—	Creates a new clip list.
	Save	Ctrl＋S	Saves the selected clip list.

	Import...	—	Opens the clip list import dialog.
	Export...	—	Opens the clip list export dialog.
Rename File Name	—	—	Renames the selected file.
	Connect	—	Connects to the selected remote host.
	Disconnect	—	Disconnects from the selected remote host.
Remote	Upload...	—	Opens the clip upload dialog.
	Download...	—	Opens the clip download dialog.
Avoid Media Conflicts	—	—	Conforms offline media folders with file names on the original media.
Eject Media	—	—	Ejects the media, or puts it into a state in which it can be safely removed.
Format Media...	—	—	Formats the selected media.
Exit	—	Alt + F4	Quits this application.

Edit menu

Command	Subcommand	Keyboard shortcut	Function
Cut	—	Ctrl + X	Cuts the selected clip.
Copy	—	Ctrl + C	Copies the selected clip.
Paste	—	Ctrl + V	Pastes a clip that has been cut or copied.
Delete	—	Delete	Deletes the selected clip or folder.
Copy All	—	Ctrl + Shift + C	Copies all of the clips in the selected media or folder.
Disc Copy...	—	—	Copies the selected Professional Disc to a separate disc.
Duplicate ClipList	—	—	Creates a copy of the selected clip list in the same folder.
Batch Edit Clip Properties...	—	—	Opens the Batch Edit Clip Properties dialog.
Edit Disc Metadata...	—	—	Opens the Edit Disc Metadata dialog.
Edit ClipList	—	—	Displays the content of the selected clip list in the Storyboard window.

Add SubClip	—	—	Adds the selected clip to the clip list as a subclip in the Storyboard window.
Copy to Offline Media	—	—	Copies the selected clip to offline media.
Update Modified Data	—	—	Writes edits made on offline media back to the original media.
Select All	—	Ctrl + A	Selects all of the clips in the selected media or folder.
Find	—	Ctrl + F	Opens the Find dialog.

View menu

Command	Subcommand	Keyboard shortcut	Function
Command Bar	—	—	Shows or hides the tool buttons.
Folder Tree	—	—	Shows or hides the Tree View pane.
Disk Space	—	—	Shows or hides the disc capacity display.
Status Bar	—	—	Shows or hides the status information of the selected clip.
Component View	—	—	Shows or hides the Component View.
Thumbnails	—	—	Puts the List View pane into thumbnail view mode.
Details	—	—	Puts the List View pane into details view mode.
Sort By	Being Modifying	—	Sorts the clip list on the selected key, in ascending or descending order.
	Name	—	
	Size	—	
	Length	—	
	Status	—	
	Creation Date	—	
	Last Update	—	
	Rec Mode	—	
	Media Spanning	—	
Filter By	Show All	—	Filter the display to show XDCAM EX clips in a specified file format.
	MP4	—	

	DV-AVI	—	
Customize Columns...	—	—	Opens the Customize Columns dialog.
Customize Tooltip...	—	—	Opens the Customize Tooltip dialog.
Show Planning Metadata...	—	—	Displays planning metadata stored in the selected media or folder.
Message Options	Reset to the Default	—	Subsequently displays the message box which was set to be hidden by the setting of the [Do not show this message in the future.] check box.
Up	—	Backspace	Moves up one level in the folder hierarchy.
Refresh	—	F5	Refreshes the information displayed in the active tab of the Explorer window.

Clip menu

Command	Subcommand	Keyboard shortcut	Function
New clip using In/Out section	—	—	Creates a new clip from the section between In and Out points of the selected clip.
Flash Band	Detect - In/Out section Detect - All Range	—	Detects frames where flash banding has occurred on the selected clip.
	Correct - Between In/Out section Correct - All Range	—	Corrects frames where flash banding has occurred on the selected clip.
	Detect and Correct - In/Out section Detect and Correct - All Range	—	Detects and corrects frames where flash banding has occurred on the selected clip.
Split Folder...	—	Ctrl + W	Splits the selected folder into folders of the specified size.
Combine Folders...	—	Ctrl + J	Combines the selected folder to another specified folder.
Play	—	Space	Plays the selected clip or clip list.

Tool menu

Command	Subcommand	Keyboard shortcut	Function
Options...	—	—	Opens the User Configuration dialog.

| Register Remote Host | — | — | Opens the Register Remote Host dialog. |

Window menu

Command	Subcommand	Keyboard shortcut	Function
New Explorer Window	—	—	Opens a new Explorer window.
New Preview Window	—	—	Opens a new Preview window.
Show Offline Media	—	—	Opens the Offline Media window.
Close Window	—	Ctrl + F4	Closes the active window.
New Tab	—	—	Adds a new tab in the active window.
Close Tab	—	—	Closes the active tab.
Previous Tab	—	Ctrl + PageUp	Selects the previous tab.
Next Tab	—	Ctrl + PageDown	Selects the next tab.
Window Layout	Default	—	Optimizes the positions of Explorer and Preview windows in the main window.
	Storyboard	—	Optimizes the positions of Explorer, Preview, and Storyboard windows in the main window.
	Storyboard (Offline)	—	Optimizes the positions of Offline Media, Preview, and Storyboard windows in the main window.
Cascade	—	—	Arranges the currently open windows in cascading order from the upper left.
Tile Windows Vertically	—	—	Tiles the currently open windows vertically.
Tile Windows Horizontally	—	—	Tiles the currently open windows horizontally.

Help menu

Command	Subcommand	Keyboard shortcut	Function
XDCAM Browser Help...	—	—	Displays the online Help.

About XDCAM Browser...	—	—	Displays the version of this application.
About MainConcept Conversion Pack...	—	—	Displays the version of the MainConcept plug-in software.

Menus When the Preview Window is Active

File menu

Command	Subcommand	Keyboard shortcut	Function
Open Media File	—	—	Opens the dialog for opening media files.
Exit	—	Alt + F4	Quits this application.

Edit menu

Command	Subcommand	Keyboard shortcut	Function
Cut	—	Ctrl + X	Cuts the selected clip.
Copy	—	Ctrl + C	Copies the selected clip.
Paste	—	Ctrl + V	Pastes a clip that has been cut or copied.
Delete	—	Delete	Deletes the selected clip or folder.
Add SubClip	—	Enter	Adds the section between the In and Out points to the clip list as a subclip.
Update Modified Subclip	—	—	Applies the results of subclip trimming to the clip list.
Set Disc Metadata Index Picture	—	—	Sets the frame at the current position as the disc metadata index picture.
Set Index Picture	—	P	Sets the frame at the current position as the index picture.
Mark In	—	I	Sets an In point at the current position.
Mark Out	—	O	Sets an Out point at the current position.
Clear Mark In	—	Shift + I	Clears the In point.
Clear Mark Out	—	Shift + O	Clears the Out point.
Clear Mark In/Out	—	Shift + X	Clears the In and Out points.
Add Essence Mark	—	E	Sets an essence mark at the current position (up to 126).
Delete Essence Mark	—	Shift + E	Deletes the essence mark at the current position.

View menu

Command	Subcommand	Keyboard shortcut	Function
Full Screen	—	Alt + Enter	Puts the Viewer into Full Screen mode.
Message Options	Reset to the Default	—	Subsequently displays the message box which was set to be hidden by the setting of the [Do not show this message in the future.] check box.

Play menu

Command	Subcommand	Keyboard shortcut	Function
Play	—	L or space	Plays the selected clip.
Stop	—	K or space	Stops clip play.
Play Reverse	—	J	Plays the selected clip in the reverse direction.
Play In to Out	—	Shift + space	Plays the range from the In point to the Out point of the selected clip.
–1 Frame	—	←	Steps one frame back.
+1 Frame	—	→	Steps one frame forward.
Jump to Start	—	Home	Jumps to the clip start point (first frame).
Jump to End	—	End	Jumps to the clip end point (last frame).
Jump to In Point	—	↑	Jumps to the In point.
Jump to Out Point	—	↓	Jumps to the Out point.
Previous Essence Mark	—	Shift + ←	Jumps to the previous essence mark.
Next Essence Mark	—	Shift + →	Jumps to the next essence mark.
Previous Clip	—	Alt + ←	Jumps to the In point of the previous clip or subclip.
Next Clip	—	Alt + →	Jumps to the In point of the next clip or subclip.
Set Audio Channels...	—	—	Opens the Set Audio Channels dialog.

Tool menu

Command	Subcommand	Keyboard shortcut	Function
Options...	—	—	Opens the User Configuration dialog.
Register Remote Host	—	—	Opens the Register Remote Host dialog.

Window menu

Command	Subcommand	Keyboard shortcut	Function
New Explorer Window	—	—	Opens a new Explorer window.
New Preview Window	—	—	Opens a new Preview window.
Show Offline Media	—	—	Opens the Offline Media window.
Close Window	—	Ctrl + F4	Closes the active window.
Close Tab	—	—	Closes the active tab.
Previous Tab	—	Ctrl + PageUp	Selects the previous tab.
Next Tab	—	Ctrl + PageDown	Selects the next tab.
Window Layout	Default	—	Optimizes the positions of Explorer and Preview windows in the main window.
	Storyboard	—	Optimizes the positions of Explorer, Preview, and Storyboard windows in the main window.
	Storyboard (Offline)	—	Optimizes the positions of Offline Media, Preview, and Storyboard windows in the main window.
Cascade	—	—	Arranges the currently open windows in cascading order from the upper left.
Tile Windows Vertically	—	—	Tiles the currently open windows vertically.
Tile Windows Horizontally	—	—	Tiles the currently open windows horizontally.

Help menu

Command	Subcommand	Keyboard shortcut	Function
XDCAM Browser Help...	—	—	Displays the online Help.
About XDCAM Browser...	—	—	Displays the version of this application.
About MainConcept Conversion Pack...	—	—	Displays the version of the MainConcept plug-in software.

Menus When the Storyboard Window is Active

File menu

Command	Subcommand	Keyboard shortcut	Function
Save	—	Ctrl + S	Saves the clip list.
Export	—	—	Exports the clip list.
Exit	—	Alt + F4	Quits this application.

Edit menu

Command	Subcommand	Keyboard shortcut	Function
Undo	—	Ctrl + Z	Undoes the previous edit operation.
Redo	—	Ctrl+Y	Redoes the previously undone edit operation.
Cut	—	Ctrl + X	Cuts the selected subclip.
Copy	—	Ctrl + C	Copies the selected subclip.
Paste	—	Ctrl + V	Pastes a subclip that has been cut or copied.
Delete	—	Delete	Deletes the selected subclip.
Select All	—	Ctrl + A	Selects all the clips on the storyboard.

View menu

Command	Subcommand	Keyboard shortcut	Function
Load to Preview Window	—	—	Loads the selected subclip to the Preview window.
Message Options	Reset to the Default	—	Subsequently displays the message box which was set to be hidden by the setting of the [Do not show this message in the future.] check box.

Tool menu

Command	Subcommand	Keyboard shortcut	Function
Options...	—	—	Opens the User Configuration dialog.

| Register Remote Host | — | — | Opens the Register Remote Host dialog. |

Window menu

Command	Subcommand	Keyboard shortcut	Function
New Explorer Window	—	—	Opens a new Explorer window.
New Preview Window	—	—	Opens a new Preview window.
Show Offline Media	—	—	Opens the Offline Media window.
Close Window	—	—	Closes the Storyboard window.
Window Layout	Default	—	Optimizes the positions of Explorer and Preview windows in the main window.
	Storyboard	—	Optimizes the positions of Explorer, Preview, and Storyboard windows in the main window.
	Storyboard (Offline)	—	Optimizes the positions of Offline Media, Preview, and Storyboard windows in the main window.
Cascade	—	—	Arranges the currently open windows in cascading order from the upper left.
Tile Windows Vertically	—	—	Tiles the currently open windows vertically.
Tile Windows Horizontally	—	—	Tiles the currently open windows horizontally.

Help menu

Command	Subcommand	Keyboard shortcut	Function
XDCAM Browser Help...	—	—	Displays the online Help.
About XDCAM Browser...	—	—	Displays the version of this application.
About MainConcept Conversion Pack...	—	—	Displays the version of the MainConcept plug-in software.

Menus When the Find Window is Active

File menu

Command	Subcommand	Keyboard shortcut	Function
Exit	—	Alt + F4	Quits this application.

Edit menu

Command	Subcommand	Keyboard shortcut	Function
Cut	—	Ctrl + X	Cuts the selected clip.
Copy	—	Ctrl + C	Copies the selected clip.
Paste	—	Ctrl + V	Pastes a clip that has been cut or copied.
Delete	—	Delete	Deletes the selected clip or folder.

View menu

Command	Subcommand	Keyboard shortcut	Function
Search Criteria	—	—	Shows or hides the search criteria.
Sort By	Name	—	Sorts the results list on the selected key, in ascending or descending order.
	Size	—	
	Length	—	
	Status	—	
	Creation Date	—	
	Last Update	—	
	Rec Mode	—	
	Media Spanning	—	
	Folder Path	—	
Message Options	Reset to the Default	—	Subsequently displays the message box which was set to be hidden by the setting of the [Do not show this message in the future.] check box.

Find menu

Command	Subcommand	Keyboard shortcut	Function
Start	—	—	Starts the search.
Stop	—	—	Stops the search.
Go to Explorer	—	—	Opens the selected clip or clip list in an Explorer window.
Play	—	—	Plays the selected clip or clip list.

Tool menu

Command	Subcommand	Keyboard shortcut	Function
Options...	—	—	Opens the User Configuration dialog.
Register Remote Host	—	—	Opens the Register Remote Host dialog.

Window menu

Command	Subcommand	Keyboard shortcut	Function
New Explorer Window	—	—	Opens a new Explorer window.
New Preview Window	—	—	Opens a new Preview window.
Show Offline Media	—	—	Opens the Offline Media window.
Show Storyboard	—	—	Opens the Storyboard window.
Close Window	—	Ctrl + F4	Closes the active window.
Cascade	—	—	Arranges the currently open windows in cascading order from the upper left.
Tile Windows Vertically	—	—	Tiles the currently open windows vertically.
Tile Windows Horizontally	—	—	Tiles the currently open windows horizontally.

Help menu

Command	Subcommand	Keyboard shortcut	Function
XDCAM Browser Help...	—	—	Displays the online Help.
About XDCAM Browser...	—	—	Displays the version of this application.
About MainConcept Conversion Pack...	—	—	Displays the version of the MainConcept plug-in software.

Error and Warning Message List

Messages	What to do
Failed to initialize OLE. Please confirm whether the OLE library version is correct.	There may be a problem with the installation of this application. Try installing it again.
Failed to read libraries for Export.	
Incomplete clip exists. Please execute salvage operation on the recording equipment.	Data on the media is incomplete, probably because the XDCAM EX device was powered off during recording, or because the media was ejected prematurely. Return the media to the XDCAM EX device and salvage it immediately. The data may become unrecoverable if you continue to operate without salvaging it.
Reason: The clip database is incorrect.	The XDCAM EX format may be corrupt. Try to salvage the material, for example by importing an MP4 file to another folder.
Reason: The clip database created by other application.	The selected clip database (registration folder) was not created by this application. Use the application that created the database to edit the clips and perform other clip operations.
Reason: The media may be incorrect or corrupted.	The selected clip is in an unsupported format, or there is an error in the material data. Check the properties of the clip.
The clip cannot be displayed in Explorer.	Importing and list display is disabled, as the selected clip is not of an XDCAM EX-compatible format. Check the properties of the clip.
Failed to save sort order.	Try restarting this application, or restarting the computer. If the problem persists, install the application again.
The copy destination drive you specified doesn't exist or isn't ready. Please specify an available drive.	The drive specification is invalid, or no media is loaded in the drive. Specify an available drive, or load media into the drive.
The move destination drive you specified doesn't exist or isn't ready. Please specify an available drive.	
The import destination drive you specified doesn't exist or isn't ready. Please specify an available drive.	
The clip database is incorrect, so it cannot be copied.	The XDCAM EX format may be corrupt. Try to salvage the material, for example by importing an MP4 file to another folder.
The clip database is incorrect, so it cannot be moved.	
Failed to update properties.	
A file exceeding 4 GB needs to be split,	Files larger than 4 GB cannot be managed on media like the

so the file cannot be copied.	SxS memory cards used by XDCAM EX devices. Use editing software or some other tool to split the file into files smaller than 4 GB and then try again.
A file exceeding 4 GB needs to be split, so the file cannot be moved.	
Because AVI clip is included, the clip cannot be created.	This function does not support DV-AVI clips. Delete DV-AVI clips from the clip specification and try again.
Because AVI clip is included, it cannot be copied converting to MXF.	
Failed to create a clip.	The operation was cancelled for one of the following reasons. • You do not have delete and write privileges to the selected media or folder, or these operations are inhibited. • The data is in an incompatible format, or it is corrupt. Check the properties of the selected media or folder.
Reason: Unmatched frame rate.	The selected clip cannot be copied due to difference in frame rate between that clip and clips existing in the copy destination folder. Check the frame rate (NTSC/24p/PAL) of the clip you want to copy and then perform copy by selecting a destination folder in which all the existing clips are of the same frame rate as the selected clip.
Reason: The video format is different.	The selected clip cannot be copied due to difference in resolution between that clip and clips existing in the copy destination folder. Check the resolution of the clip that you want to copy and then perform copy by selecting a destination folder in which all the existing clips are of the same resolution as the selected clip.
Reason: Default format hasn't been set. Please check Conversion tab in User Configuration .	Set the frame rate and bit rate in the [Rates to apply when rec format is unknown] section of the Conversion tab in the User Configuration dialog.
Reason: Bit Rate hasn't been set. Please check Conversion tab in User Configuration .	Make settings in the [MP4 to MXF conversion bit rate] section of the Conversion tab in the User Configuration dialog.
MainConcept Conversion Pack is the trial version, so the conversion output may contain a watermark. For output without the watermark, please purchase the full version MainConcept Conversion Pack.	Purchase the full version plug-in software (MainConcept Conversion Pack) at the MainConcept website, and install it on your system. You can access the MainConcept website by selecting [About MainConcept Conversion Pack...] from the [Help] menu, and then clicking the URL in the dialog that appears.
Reason: Failed to convert.	Check the recording format of the clip that you want to copy and that of the clips existing in the copy destination folder. File conversion may be disabled depending on the recording format of the original clip and the clips in the copy destination folder.
Reason: The clip is less than 2 seconds, so it cannot be written.	XDCAM devices do not support writing of clips shorter than two seconds.
It cannot be copied because a Clip less	

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than 2 seconds is included.	
Failed to import the clip.	You may not have access privileges to the clip, or the clip may be an MP4 file that is not compatible with the XDCAM EX format. Check the properties of the clip.
UserData folder cannot be specified as the output destination.	Change the output destination.
The name is already used. Specify another name.	Specify another name or change the output destination.
xxxx already exists in the output folder. Please specify another name.	
The file name is invalid or too long.	The save destination may not be recognized if the full path to the save destination is too long. Change to a save destination with a shorter path name.
Error occurred during the export. Please refer to the details from the context on each clip.	Open the export dialog to check the report which is displayed when [Error detail] is selected from the context menu of the clip with the error.
Reason: An error occurred during conversion.	The conversion failed for one of the following reasons. • You do not have delete and write privileges to the output folder, or these operations are inhibited. • The selected clip is in an unsupported format, or the material data is corrupt. Check the properties of the folder and clip.
Reason: Unsupported XDCAM.	The selected XDCAM drive is not supported.
Reason: Unsupported codec.	The codec of the selected clip on the XDCAM drive is not supported.
Failed to create a folder.	You may not have delete and write privileges to the media or folder, or these operations may be inhibited. Check the properties of the selected media or folder.
You cannot use [XXX] as a folder name. Specify another name.	Specify a name other than "BPAV".
It contains a string reserved by the system, so it cannot be set.	The name contains characters reserved by the operating system. Enter a name that does not contain these characters.
Reason: The clip file name has already been reserved.	Change the file name or copy destination.
Failed to change the folder name.	You may not have delete and write privileges to the folder, or these operations may be inhibited. Check the properties of the combine source or destination folder.
Failed to delete the folder.	
Failed to split the folder.	
Failed to combine the folders.	You may not have delete and write privileges to these folders, or these operations may be inhibited. Check the properties of

	the combine source or destination folder.
The folder [XXX] cannot be split. Reason: The folder contains a file exceeding the specified split unit of [XXX GB].	Clip name: The folder cannot be split into folders of the specified size because at least one file larger than that size exists. Specify a split size that is larger than the size of the largest file.
Failed to save disc metadata.	You may not have delete and write privileges for the selected XDCAM drive, or these operations may be inhibited. Check the properties of the selected XDCAM drive and the state of the write protect tab on the disc.
Reason: The number of audio samples is not enough.	The audio after conversion may contain noise, because the number of audio samples is lower than the specified number. Check the number of audio samples in the conversion source clip.
Failed to eject xxxx. The media is in use. Please make sure that the file is not being accessed.	If a media clip is being accessed, stop the access.

How to Obtain the Plug-in Software

The optional MainConcept plug-in software can be purchased and downloaded from the following website.

http://www.mainconcept.com/products/apps-plug-ins/plug-ins-for-sony/xdcam-browser.html

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How to Use This Help

Starting the Help

Select [XDCAM Browser Help] from the Help menu.

Help window configuration

The Help window consists of the following items.
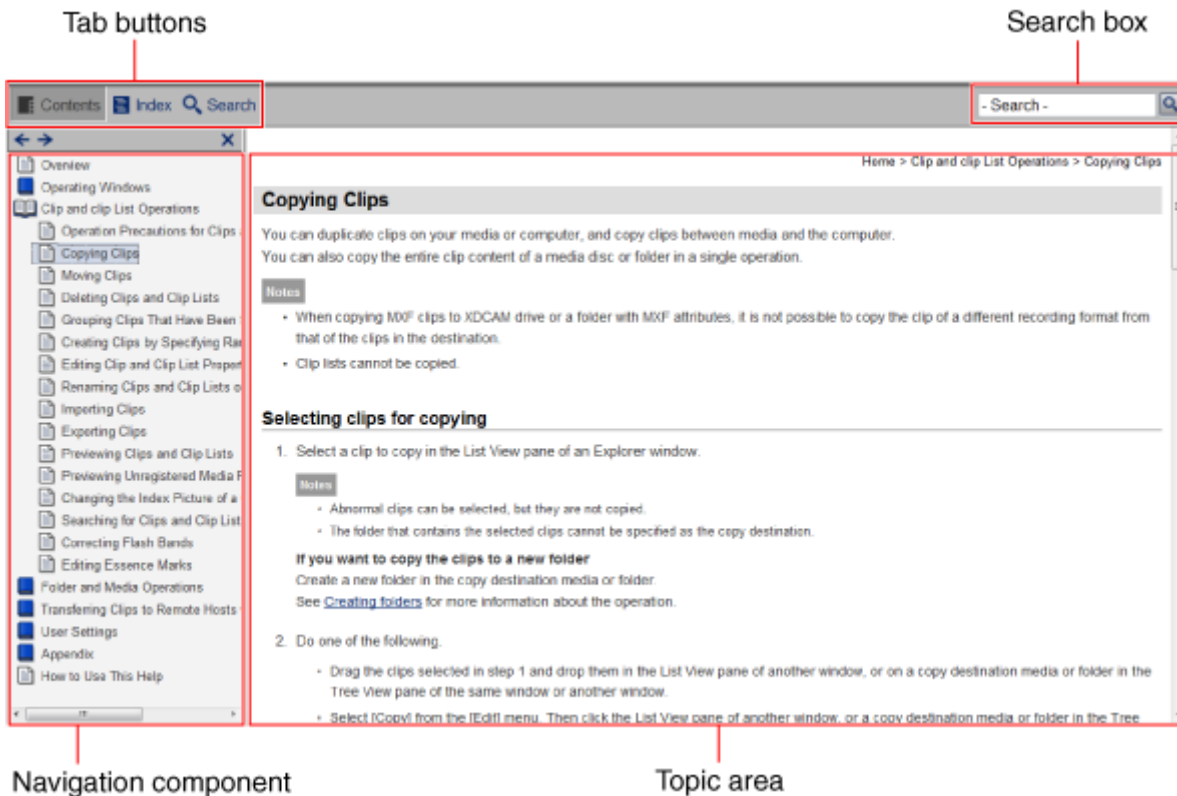
Tab buttons

Switches between navigation component displays using the following buttons.

- ![] : Contents button
  Displays the topics of this Help. Click a topic title to display the topic in the topic area.
- ![] : Index tab
  Displays the indexed keywords of this Help. Click a keyword to display topics related to that keyword.
- ![] : Search button
  Displays the search tab for searching words within this Help. The search results display related topics in order of relavance.
  You can enable [Highlight search results] to highlight all instances of the search word in the topic area.

Search box

Enter text to search for words in the Help. Related topics are displayed in order of relavance in the Search tab.
Search results are identical to those obtained using the Search tab button.

Contents, Index, and Search tabs (navigation component)

Displays the Contents, Index, and Search tabs of this Help.
Click the ← button at upper left to display the previous topic, and click the → button to display the next topic.
Click the ✖ button at upper right to hide the Contents, Index, and Search tabs, and click the Contents, Index, or Search button to redisplay it.

Topic area

Displays the selected topic.
Displays the the current topic's location in the Help at upper right.

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