



grass valley

A **BELDEN** BRAND

# EDIUS

## EDIT ANYTHING

This manual describes the new features and modifications on Version 8.3.  
For features not mentioned in this manual, see the latest "EDIUS Workgroup 8 Topic Library".  
• Note that the latest "EDIUS Workgroup 8 Topic Library" does not include the new features and modifications of Version 8.2 and later.

## EDIUS Workgroup 8 (Version 8.3)

### New Features



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## Manual Explanation

- If there are any variations between the explanation in this manual and the actual application method, priority is given to the actual application method.
- The images used in this manual are prototypes and they may be different from the screens of the actual product.
- This manual is written for people who have a basic knowledge of how to use a computer. If there are no special instructions, perform the same operation as a normal computer operation.
- In this manual, EDIUS Workgroup, EDIUS Pro, and EDIUS series are called "EDIUS".
- In this manual, Microsoft® Windows® operating system products are called as follows.
  - Microsoft® Windows® 7 operating system: Windows 7 (collective term for Ultimate, Enterprise, Professional, Home Premium, and Home Basic)
  - Microsoft® Windows® 8 operating system: Windows 8 (collective term for Enterprise, Pro, and Core Edition)
  - Microsoft® Windows® 8.1 operating system: Windows 8.1 (collective term for Enterprise, Pro, and Core Edition)
  - Microsoft® Windows® 10 operating system: Windows 10 (collective term for Enterprise, Education, Pro, and Home)
- The signs and definitions in this manual are as follows.

Signs	Definitions
	This sign indicates the important point of the operation.
Alternative	This sign indicates an alternative method for the same operation that differs from the one in the procedure.

Signs	Definitions
 Note	This sign indicates cautions and restrictions on the operation.

## DANGER

### Health Precautions

In rare cases, flashing lights or stimulation from the bright light of a computer display or TV monitor may trigger temporary epileptic seizures or loss of consciousness. It is believed that even individuals whom have never experienced such symptoms may be susceptible. If you or close relatives have experienced any of these symptoms, consult a doctor before using this product.

If you edit 3D video more than an hour continuously, take a rest of 10 to 15 minutes per hour. If you feel tired or uncomfortable, stop using the product.

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## **Chapter 1**

# **Version 8.3**

This chapter explains the new features and modifications implemented on EDIUS (Version 8.3).

# High-Quality Slow Motion

By applying optical flow, an image interpolation technique, the video can be converted into a slow motion video with higher quality and smoother motion when the clip playback speed has been decreased due to setting change in [Speed] of [Time Effect].

## ■ Optical flow

Optical flow is a technique to generate new images to interpolate between images, by analyzing subtle motion between images and estimating spatially smooth motion. It enables to realize high-quality slow motion and smooth frame conversion.

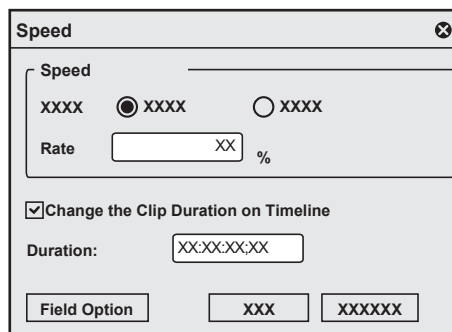
### 📌 Note

- For video like the following, high-quality slow motion effects may not be fully obtained.
    - Video with extremely high speed and long distance movement
    - Video in which subjects cross each other
- After applying high-quality slow motion, play back the video to check if the subject is mixed with the background or the images are distorted.

## High-Quality Slow Motion Settings

### 1) Right-click a clip on the timeline, and click [Time Effect] → [Speed].

- The [Speed] dialog box appears.



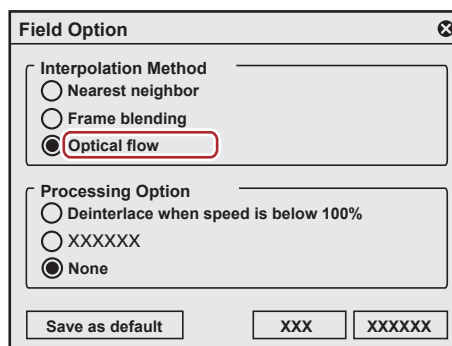
### 2) Set each item.

- To decrease the playback speed, change [Rate] in [Speed] to lower than 100%.
- Check [Change the Clip Duration on Timeline] to change the duration of clips on the timeline according to the speed (value of [Rate]) of the clip.

### 3) Click [Field Option].

- The [Field Option] dialog box appears.  
“[Field Option] Dialog Box” (► page 7)

### 4) Select [Optical flow] in [Interpolation Method].



- If [Optical flow] has been selected for [Interpolation Method], selecting [None] for [Processing Option] will make the playback smoother.

## 5) Click [OK].

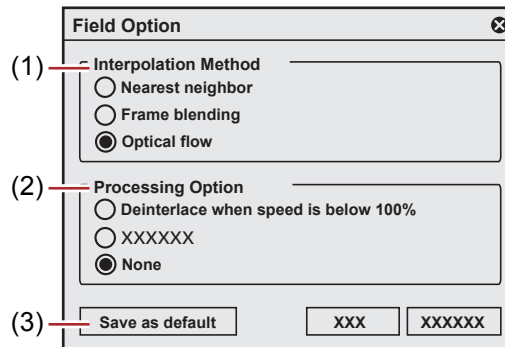
## 6) Click [OK].

- An orange line is displayed on a clip whose speed has been changed.



- [Optical flow] can also be used for progressive/interlace (P/I) conversion or frame rate conversion.  
If a progressive source is placed on an interlace timeline with the same frame rate (for example, 29.97p source is placed on the 59.94i timeline), the video can be played back smoothly due to P/I conversion in [Optical flow].

## [Field Option] Dialog Box



(1)	[Interpolation Method]	<p><b>[Nearest neighbor]</b> The length of the clip is adjusted by skipping frames or continuously displaying the same frame.</p> <p><b>[Frame blending]</b> Adjacent frames are composed and a new frame is automatically generated to interpolate between the frames.</p> <p><b>[Optical flow]</b> The motion in adjacent frames are analyzed by pixels and a new frame is automatically generated so that the motion of the subject is played back smoothly.</p>
(2)	[Processing Option]	Set the processing option to reduce flicker during slow motion. Select [Deinterlace when speed is below 100%] if video is affected by the scanning line and flickers when a slower playback speed has been set.
(3)	[Save as default]	Click this item to save the current settings as defaults. When a clip is placed on the timeline, the default [Field Option] is always applied.

# Setting the Size of Proxy File

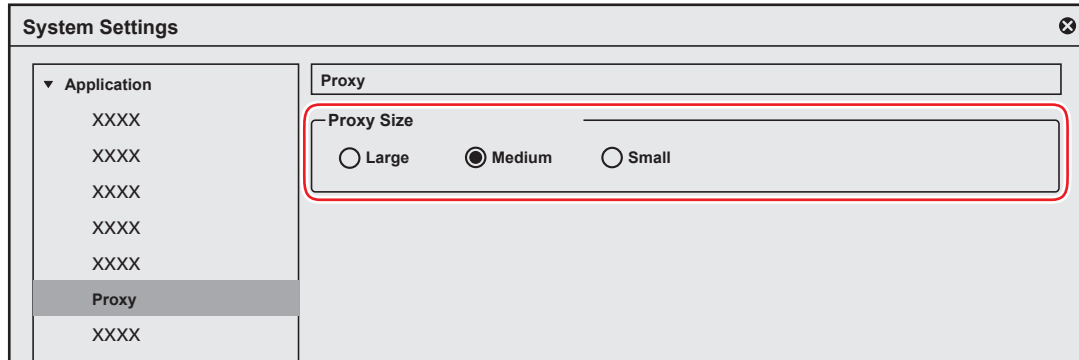
You can select the size of the proxy file that is created when proxy is edited.

1) Click [Settings] on the menu bar, and click [System Settings].

2) Click the [Application] tree, and click [Proxy].

- The [Proxy] screen appears.

3) Select the proxy size in [Proxy Size].



- Three types of proxy size ([Large], [Medium], and [Small]) are available. The size for each type is as follows.
  - [Large]: 1920x1080
  - [Medium]: 960x540
  - [Small]: 352x240
- The default proxy size is [Medium].
- Proxy files created in Version 8.22 or older will be loaded as [Small].

## Note

- Proxy file can be created only once. It cannot be re-created with different setting.
- If the setting has been changed while creating the proxy file, the changed setting will be applied at the time, and the creation of the file will be continued.



# Exporting to DVD/BD with Various Project Settings

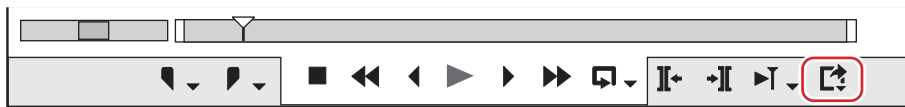
Regardless of the details of the project settings, you can start up Disc Burner and write the project to DVD or BD. Even projects in progressive formats (such as 60p) that were not supported can now be written to DVD/BD by changing the export format on Disc Burner.

## Note

- If format conversion is performed at export, the image quality will be affected.

## Exporting to Disc

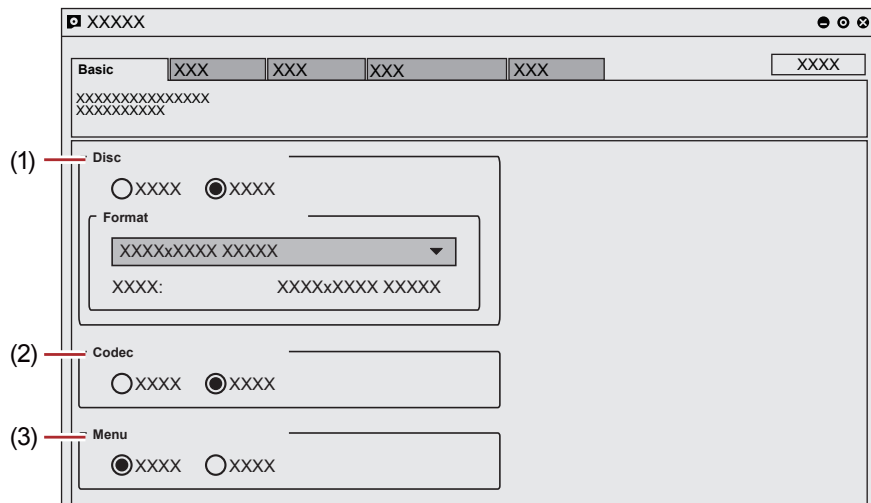
### 1) Click [Export] on the Recorder.



### 2) Click [Burn to disc].

- Disc Burner starts up.

### 3) Click the [Basic] tab, and set the disc type to export to, the format, and other items.



(1)	[Disc]	<p>Select the type of disc to be exported to from the list.</p> <p><b>[Format]</b> Select the format to export. To export in the same format as the original project settings, select the format with the indication [(No conversion)]. The formats that can be selected are as follows. The displayed formats differ depending on the project settings.</p> <ul style="list-style-type: none"> <li>• If [DVD] has been selected for [Disc] 720x480 59.94i, 720x576 50i</li> <li>• If [Blu-ray] has been selected for [Disc] 1920x1080 59.94i, 1920x1080 50i, 1920x1080 23.98p, 1440x1080 59.94i, 1440x1080 50i, 1280x720 59.94p, 1280x720 50p, 720x480 59.94i, 720x576 50i</li> </ul>
(2)	[Codec]	When exporting to BD, select the codec.
(3)	[Menu]	Select [Use Menu] to create a disc with a menu screen.

## Note

- If the project setting is the NTSC standard such as 59.94i, the export format for the PAL standard such as 50i cannot be selected. Likewise, if the project setting is the PAL standard, the export format for the NTSC standard cannot be selected.

**4) Select each item in the other tabs and click [Create Disc] in the [Write] tab.**

- Writing to disc will start.
- When you perform format conversion at export, in the confirmation dialog box that appears, click [Yes].

# Adding View Mode in Bin Window

[Thumbnail] is added as a view mode for clip views of the bin window.

- [Thumbnail] has the same view as that of the previous [Tile]. The view of [Tile] has been renewed.

## Clip View Display

1) Click [View] in the bin.

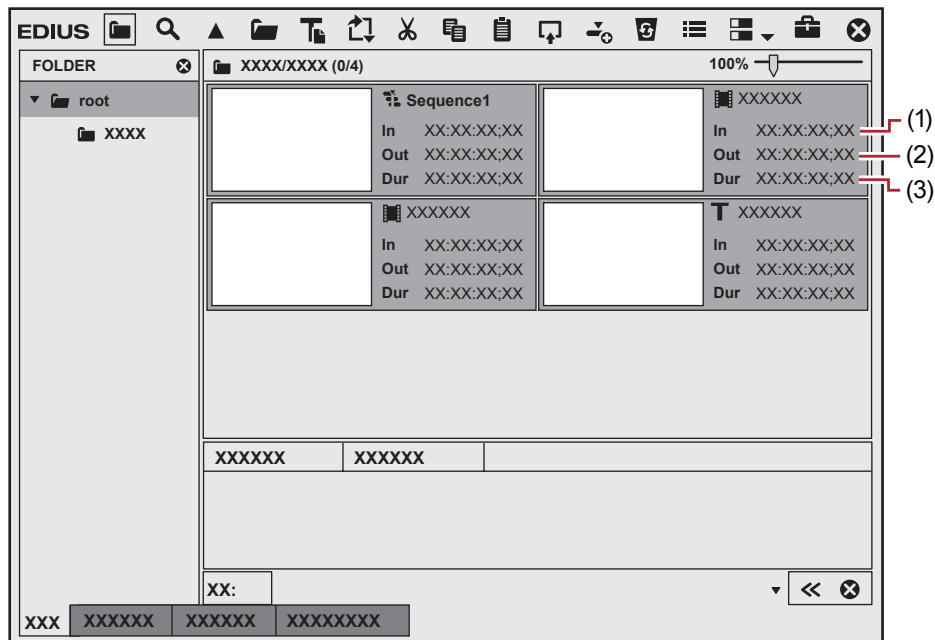


- Each click changes the display.

- [Clip]
- [Thumbnail]
- [Tile]
- [Detail]
- [Icon]

**Example:**

If [Tile] has been selected



(1)	[In]	In point of the clip or In point on the source timecode
(2)	[Out]	Out point of the clip or Out point on the source timecode
(3)	[Dur]	Duration of the clip or total length of the source

# Other New Features and Modifications

This section explains other new features and modifications implemented on EDIUS (Version 8.3).

## EDIUS Workgroup 8

- Added color space in primary color correction  
FUJIFILM - F-Log
- Supporting 64-channel audio
- Extended MXF DNxHD import/export  
1920x1080, 60p/59.94p/50p, 10-bit/8-bit
- Improved user interface

## GV Browser

- Displaying the history of the import destination in [Import To]
- Improved design in the property pane/setting dialog box
- Added snap shot button that enables to save still images
- Added shortcuts in [Favorite Folder]  
[Desktop], [Pictures], [Videos]
- Extended area for onscreen display

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## Chapter 2

# Appendix

This chapter explains support and other information.

# Grass Valley Product Support

For technical assistance, to check on the status of a question, or to report a new issue, contact Grass Valley Product Support via e-mail, the Web, or by phone or fax.

## Web Technical Support

To access support information on the Web, visit the product support Web page on the Grass Valley Web site. You can download software or find solutions to problems by searching our Frequently Asked Questions (FAQ) database.

### ■ World Wide Web:

<http://www.grassvalley.com/support/>

### ■ Contact Customer Support

<http://www.grassvalley.com/support/contact>

\* Please select "Support for Professional Products" tab.

## Phone Support

Use the following information to contact product support by phone during business hours. After hours phone support is available for warranty and contract customers.

United States/Americas	+1 801 222 5204
Europe, United Kingdom, Africa and The Middle East	+44 (0) 20 8867 6305
Asia (except Japan and Korea)	+86 21 5869 8668

## Authorized Support Representative

To locate the support representative for your country, visit the following Product Support Web page on the Grass Valley Web site.

- <http://www.grassvalley.com/support/>

### END-OF-LIFE PRODUCT RECYCLING NOTICE

Grass Valley's innovation and excellence in product design also extends to the programs we've established to manage the recycling of our products. Grass Valley has developed a comprehensive end-of-life product take back program for recycle or disposal of end-of-life products. Our program meets the requirements of the European Union's WEEE Directive, the United States Environmental Protection Agency, and U.S. state and local agencies.

Grass Valley's end-of-life product take back program assures proper disposal by use of Best Available Technology. This program accepts any Grass Valley branded equipment. Upon request, a Certificate of Recycling or a Certificate of Destruction, depending on the ultimate disposition of the product, can be sent to the requester.

Grass Valley will be responsible for all costs associated with recycling and disposal, including freight. However, you are responsible for the removal of the equipment from your facility and packing the equipment to make it ready for pickup.



For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the U.S. and Americas please call 800-547-6949 or 530-478-4148, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: [www.grassvalley.com/about/environmental-policy](http://www.grassvalley.com/about/environmental-policy)

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