

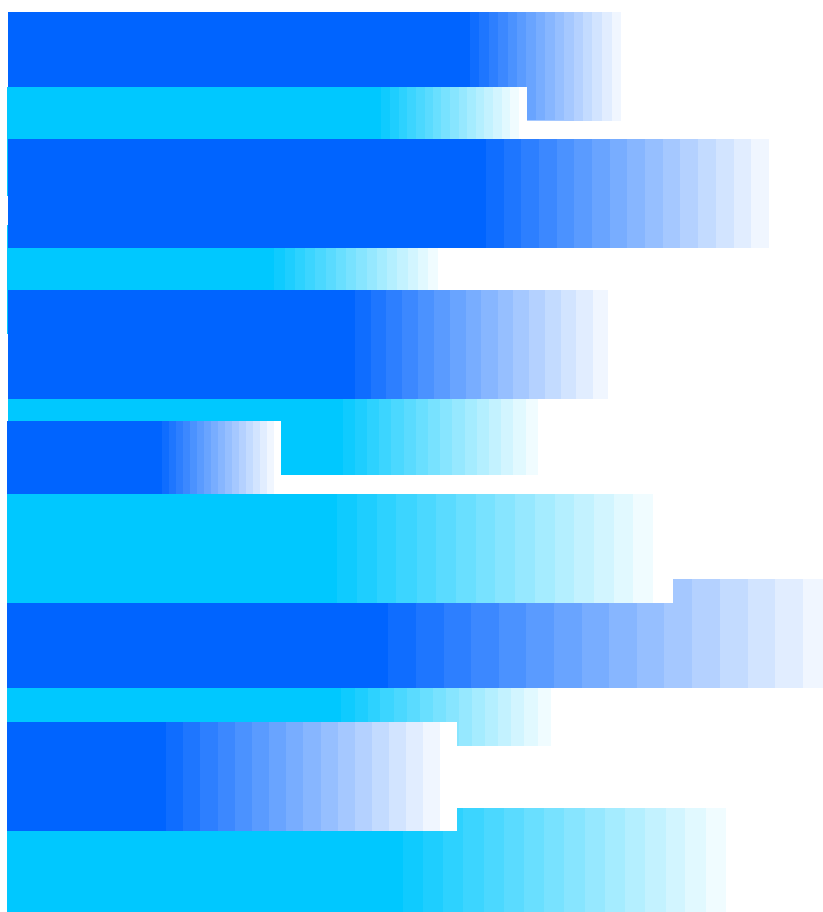
## Operating Instructions

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AV Viewer  
(Front-End Application/Back-End Application)

Model No. **AG-JJLFE20P**

Model No. **AG-JJLBE20P**



# Contents

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## **Limitation of liability ..... 3**

## **Disclaimer of warranty ..... 3**

## **Overview ..... 3**

Operating Environment ..... 3

Trademarks and Registered Trademarks ..... 4

## **Installing/Uninstalling..... 4**

Installing ..... 4

Uninstalling ..... 4

## **Startup and Termination..... 5**

Startup ..... 5

Termination ..... 5

## **Description of the Screen Displays... 6**

Player Screen ..... 6

Snapshot View Screen ..... 12

## **Operations ..... 13**

Switching screens ..... 13

Playback ..... 15

Skip playback ..... 15

Fast rewind, fast forward, and slow playback.... 16

Quick replay ..... 16

Turning playback sound On or Off..... 17

Turning all playback sound On or Off ..... 17

OSD display ..... 18

Image Correction ..... 18

Audio Effects ..... 18

Displaying information ..... 18

## **Error Messages ..... 21**

## **Software License Agreement..... 22**

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### **■ Display in this manual**

Display on the screen may differ from the actual product.

# Limitation of liability

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## Overview

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AV Viewer is a player to play video and audio exported to external media with the Front-End application and Back-End Client application. You can play video, audio and snapshots. Video and audio recorded by AG-CPD10CRUP, AG-CPD15P or AG-CPD20P are exported as AV files. Video and audio recorded by WJ-VR30/SA366/WV-TW370 are exported as AV3 files. Video and audio recorded by WV-BWC4000/WJ-VPU4000 are exported as MP4 files. Snapshots recorded by the SA366/WV-TW370 are exported as JPG files. If the video and audio files have been exported with the "With AV Viewer" function associated, the AV Viewer is exported together.

The Recorder includes the Memory Card Video Recorder (AG-CPD10CRUP, AG-CPD15P or AG-CPD20P) and the Network Recorder (WJ-VPU4000/WJ-VR30).

### Operating Environment

A PC that meets the following operating environment is required for use of this application:

**CPU:** Intel® Core™ i3-350M 2.26 GHz or faster (recommended)

**RAM:** 2 GB or more (recommended)

**Display:** 1024×768 pixels or more

**Display adapter:** Supports DirectX® hardware acceleration

**LAN:** 1000BASE-T/100BASE-TX

**OS:** Windows® 8.1 Pro 32-bit/64-bit,  
Windows® 10 Pro 32-bit/64-bit,  
Windows® 11 Pro 64-bit

**Add on:** .NET Framework 4.7.2 or later  
Windows® Installer 5.0  
Adobe® Acrobat Reader 2020, 2017, DC or  
Adobe® Acrobat 2020, 2017, DC

### Notes

- This application may become unstable when the usage of memory or CPU on the PC is high.
- While operating, do not click buttons quickly and repeatedly. Depending on the status of the PC or the network, the application may respond slowly.
- If you click the Help button of this application while another PDF file is open in Adobe® Acrobat Reader®, and the print screen or file opening screen of Adobe® Acrobat Reader® is also open, this manual will not open.
- For playback of two high resolution videos recorded by the WJ-VR30, the recommended environment is shown below.
  - CPU: Intel® Core™ i5-520M 2.7 GHz or faster
  - RAM: 3.2 GB or more
- On PCs that are equipped with 1st generation Intel Core i3, i5 or i7 processors, the noise reduction function cannot be ON during event playback.

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- Intel and Intel Core are trademarks or registered trademarks of Intel Corporation in the United States and other countries.

## Installing/Uninstalling

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### Installing

---

AV Viewer is installed when audio/video files are exported with the viewer function associated by the Back-End Client application.

When exported, the objects below are installed in an empty folder or a new folder.

- Audio/Video files
- AVViewer.exe
- Associated modules

#### Note

Audio/Video files recorded by AG-CPD10CRUP, AG-CPD15P or AG-CPD20P are exported as AV files.  
Audio/Video files recorded by WJ-VR30, SA366 or WV-TW370 are exported as AV3 files.  
Audio/Video files recorded by WV-BWC4000/WJ-VPU4000 are exported as MP4 files.

### Uninstalling

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Delete the directory where the AV Viewer has been installed.

# Startup and Termination

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## Startup

1. Turn on the PC.
2. Double-click on AVViewer.exe.  
The Open File window opens.
3. Select a file to be played.

**To play an AV file:**

Select the AV file you want to play

**To play an AV3 file:**

Select one of the AV3 files you want to play. Normal playback of all audio and video is not possible if one or more files included with a recorded event are missing.

**To view a JPG file:**

Select the JPG file you want to view.

**To play an MP4 file:**

Select the MP4 file you want to play.

## Termination

Click on the Close button.

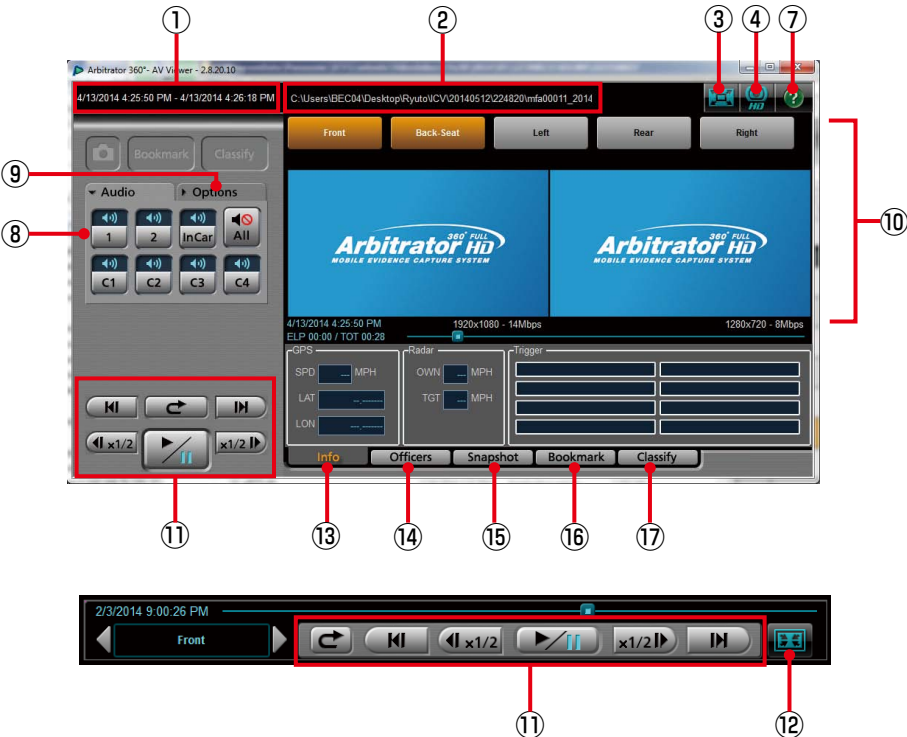
### Note

You can also display the AV Viewer screen by drag & drop of an "Audio/Video/Snapshot file (AV file, AV3 file, MP4 file or JPG file)" to the AVViewer.exe icon from an Explorer window.

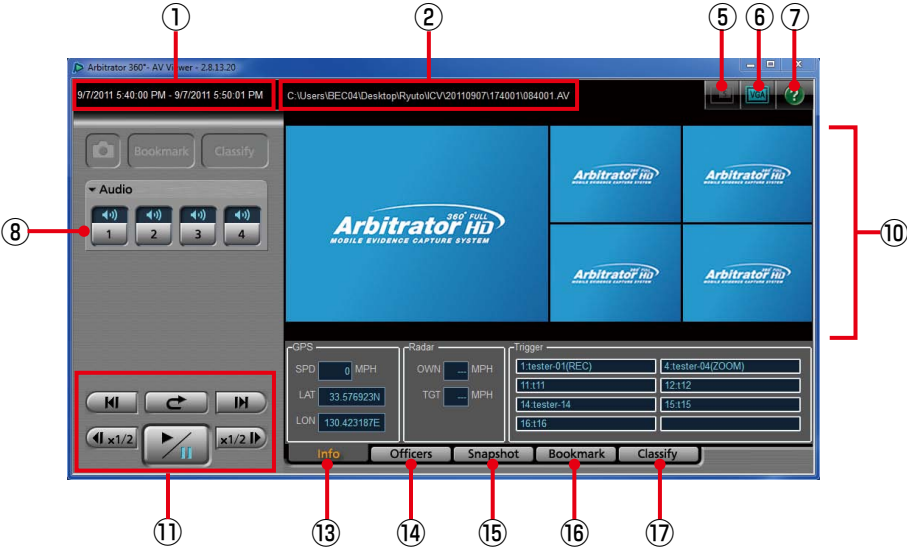
# Description of the Screen Displays

## Player Screen

The following screen appears during playback of a video recorded with the WJ-VPU4000/WJ-VR30.

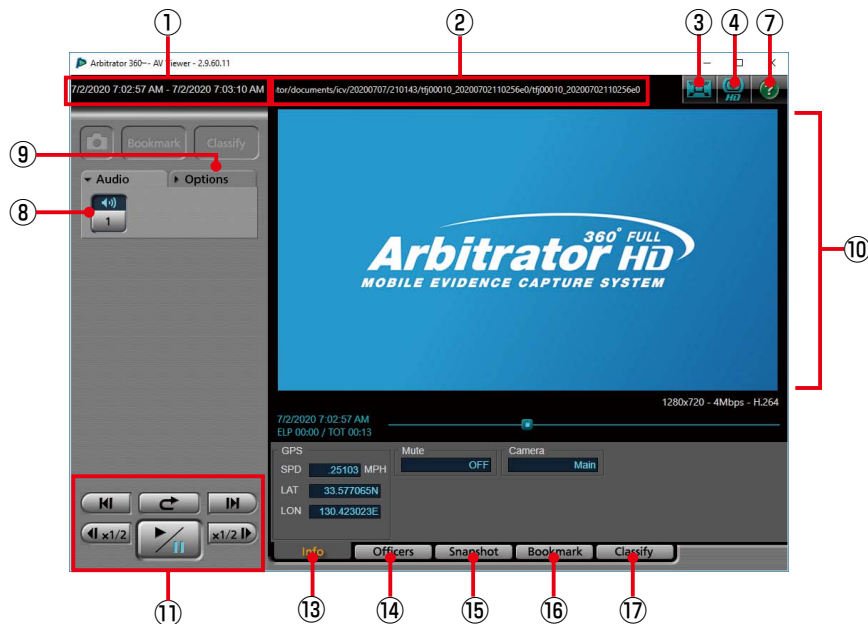


The following screen appears during AV file playback.



## Description of the Screen Displays (continued)

The following screen appears during playback of MP4 file recorded with WV-BWC4000.



### ① Record start/end date and time

The record start and end date and time of the currently displayed file is shown.

### ② Video Source Information

The folder path and the event name is shown.

### ③ Full Screen button (Provided only during AV3/MP4 file playback)

When this button is clicked, the screen is displayed in full screen mode.  
(See "Switching screens," page 13.)

### ④ Video Quality Selection button (Provided only during AV3/MP4 file playback)

Select the video quality shown on the Video Display Section.  
(See "Selecting the video quality," page 14.)

### ⑤ Main/Sub video switch button (Provided only during AV file playback)

Selects a video displayed on a player screen with the VGA display size, main video or sub video.  
(See "Switching the Main video and Sub video," page 15.)

### Notes

- This button is enabled on the VGA display only.
- If the selected video file is recorded with the AG-CPD15P or the AG-CPD10CRUP, this button is not enabled.

### ⑥ QVGA/VGA switch button (Provided only during AV file playback)

Selects the video size displayed on a player screen, QVGA or VGA.  
(See "Switching the QVGA and VGA sizes," page 15.)

### ⑦ Help button

When this button is clicked, Help is displayed.

### ⑧ Audio tab

This is a panel for audio control.

The following panel appears during playback of a video recorded with the WJ-VPU4000/WJ-VR30.



The following panel appears during AV file playback.



The following panel appears during playback of an video recorded with the SA366/WV-TW370/WV-BWC4000.



### ⑨ Audio mute buttons/indications

### ⑩ Audio mute buttons/indications of Built-in camera Mic.

Select whether the playback sound of the selected audio channel is On or OFF. The current setting is indicated above the button.

: Audio mute Off (Playback sound On)

: Audio mute On (Playback sound Off)

(See "Turning playback sound On or Off," page 17.)

When a camera is disconnected while the camera connection setting is ON, a red × mark is displayed.

: Disconnection and Audio mute Off

: Disconnection and Audio mute On

## Description of the Screen Displays (continued)

### ㉓ Mute All / Unmute All button

Select whether the playback sound of all audio channels is On or Off.



: All audio mute Off (Playback sound On)



: All audio mute On (Playback sound Off)

(See "Turning all playback sound On or Off," page 17.)

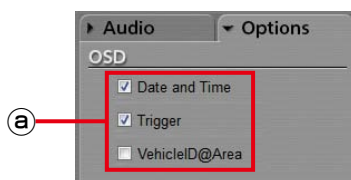
### Notes

- If no sound is recorded on a channel, the corresponding channel button is disabled.
- If the selected video file is recorded with the AG-CPD15P or the AG-CPD10CRUP, Audio 3 and Audio 4 buttons are disabled.

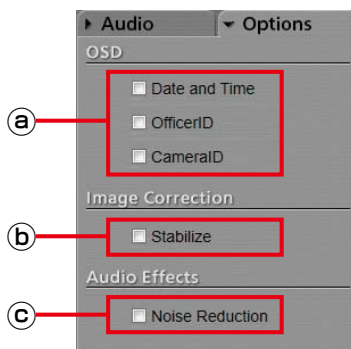
### ㉑ Options tab

This is a panel for options.

The following panel appears during playback of a video recorded with the WJ-VPU4000/WJ-VR30.



The following panel appears during playback of an AV3 file recorded with the SA366/WV-TW370/ WV-BWC4000.



#### ㉑ OSD

Select whether each OSD information is displayed or not.

(See "OSD display," page 18.)

#### ㉒ Image Correction

Select whether image correction setting using metadata recorded in video file is ON or OFF.

(See "Image Correction," page 18)

#### ㉓ Audio Effects

Select whether audio effects is ON or OFF. This setting is enabled only for videos recorded with WV-BWC4000.

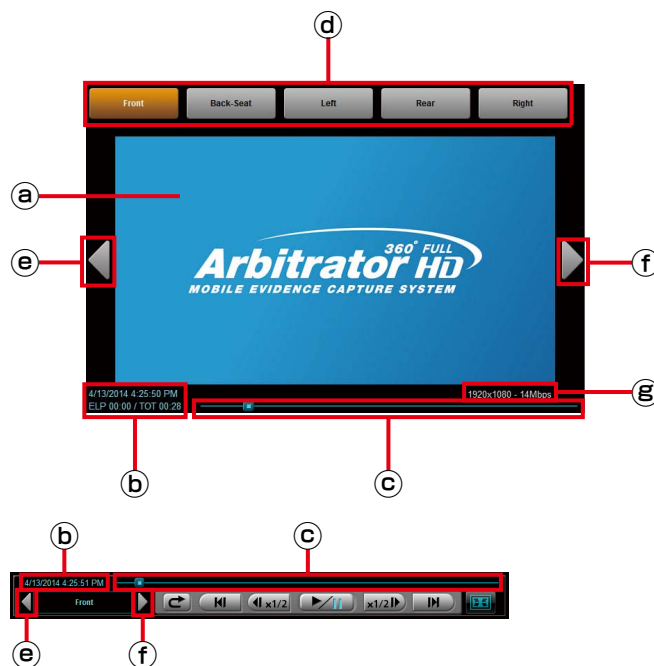
(See "Audio Effects," page 18)

### Note

When "Use Recording Setting for Noise Reduction" setting in the WV-BWC4000 is turned off, the audio for noise reduction will not be recorded. Therefore, even if "Audio Effect" is set to ON, audio will be silent and this setting has no effect.

### ㉒ Video Display Section

The following section appears during playback of a video recorded with the WJ-VPU4000/WJ-VR30.



The following section appears during AV file playback.



The following screen appears during playback of MP4 file recorded with WV-BWC4000.





## Description of the Screen Displays (continued)

### Ⓐ Video Display Section

Video is displayed.

(See "Switching screens," page 13.)

### Ⓑ Date and time indication

The date and time of current playback position is displayed at the top. The elapsed time and total time are displayed in the format of mm:ss at the bottom. In full screen mode, you can switch between the date and time of the current playback position and the elapsed time and total time by clicking.

### Ⓒ Seek bar

Indicates the playback position.

Sliding the knob will change the playback location. Clicking on the left side of the knob will move the playback location backward by 1/20 of the content length, and clicking on the right side will move the playback location forward by 1/20 of the content length.

The locations of the bookmark are displayed on the bar.

### Ⓓ Camera selection buttons/indications (Provided only during playback of a video recorded with the WJ-VPU4000/WJ-VR30)

Select a camera channel in the Video Display section.

Click a button to select it.

In one video display mode, press a button to display a video. These buttons are not displayed during playback of a video recorded with only the front camera.

In two video display mode, click a camera selection button to select it. While the button is selected, click a video image in the Video display section to display the video of the selected button.

(See "Switching screens," page 13.)

### Ⓔ Previous channel button (Available only during playback of a video recorded with the WJ-VPU4000/WJ-VR30)

Change displayed video to the video of the previous channel.

This button appears only in one video display mode but not during playback of a video recorded with only one camera.

(See "Switching screens," page 13.)

### Ⓕ Next channel button (Available only during playback of a video recorded with the WJ-VPU4000/WJ-VR30)

Change displayed video to the video of next channel.

This button appears only in one video display mode but not during playback of a video recorded with only one camera.

(See "Switching screens," page 13.)

### Ⓖ Video quality information

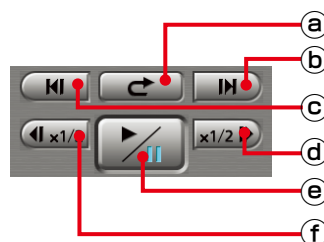
The configured video resolution, bit rate and codec information for the video is displayed.

## Notes

- The video image might be noisy or blacked out after returning from screen saver, screen lock, user switching screen and so on. In this case, please terminate the player once and startup the player again to recover video image.
- Don't change the resolution and colors configuration in the display setting of Windows during displaying video image.
- If the mouse pointer is placed over some buttons, the Tooltip (decription of the button) is displayed. If the Tooltip is displayed over the video image, it may flicker.

## ⑪ Playback section

These buttons control the playback of video files.  
(See "Playback," page 15.)



### Ⓐ (Quick replay) button

Playback from a location 7 seconds before the button is clicked starts. If this button is clicked within 7 seconds from the beginning of a file, playback starts from the beginning of the file.

### Ⓑ (Frame forward) button

If this button is clicked during pause, an image one frame after the current frame will be displayed.

### Ⓒ (Skip back/Frame rewind) button

If this button is clicked after 5 seconds from the beginning of a file, playback will start from the beginning of that file.

If this button is clicked during fast forward or fast rewind, playback of the current file will start from the beginning.

If this button is clicked during pause, an image one frame before the current frame will be displayed.

### Ⓓ (Fast forward/Slow playback) button

If this button is clicked during playback, fast forward playback will start.

If this button is clicked during pause, slow playback will start.

Each time this button is clicked, fast forward or slow playback speed changes.

At the end of the file, playback pauses.

## Description of the Screen Displays (continued)

### Ⓔ (Playback/Pause) button/indication

Each click on this button will toggle playback and pause modes.

At the end of the file, playback pauses.

### Ⓕ (Fast rewind/Slow reverse playback) button

If this button is clicked during playback, fast rewind playback will start.

If this button is clicked during pause, slow reverse playback will start.

Each time this button is clicked, fast rewind or slow reverse playback speed changes.

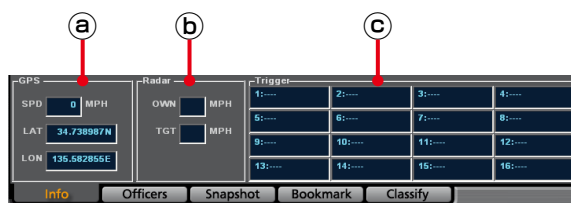
At the beginning of the file, playback pauses.

### Ⓖ Full Screen Exit button (Provided only during AV3/MP4 file playback)

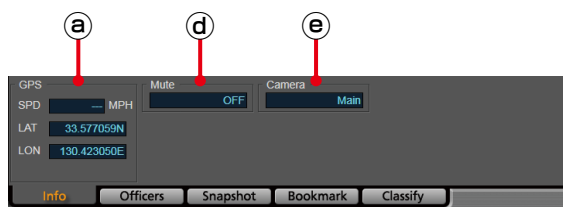
When this button is clicked, the screen changes from the full screen mode to the one or two video display mode.

(See "Switching screens," page 13.)

### Ⓗ Info



When a video file recorded with the SA366/WV-TW370/ WV-BWC4000 is selected:



Meta information is displayed.

(See "Meta information (Info)," page 18.)

### Ⓐ GPS information

The following information obtained from the GPS will be displayed.

**SPD:** Vehicle speed

**LAT:** Latitude. 00.000000N denotes north latitude, and 00.000000S denotes south latitude.

**LON:** Longitude. 000.000000W denotes west longitude, and 000.000000E denotes east longitude.

### Ⓑ Radar information

The following information obtained from the radar gun will be displayed.

**OWN:** Own vehicle speed

**TGT:** Target vehicle speed

### Ⓒ Trigger information

Input status to GPI is displayed.

If the number of connected GPI is up to 8, the status is displayed in 4 lines and 2 rows. If the number of connected GPI is more than 8, the status is displayed in 4 lines and 4 rows.

The GPI channel number and trigger name are displayed like "GPI channel number: trigger name" in each cell.

### Note

If the selected video file is recorded with the AG-CPD15P or the AG-CPD10CRUP, since GPI is not more than 8, the status is always displayed in 4 lines and 2 rows.

### Ⓓ Mute information

Audio mute status is displayed.

**ON:** Mute on

**OFF:** Mute off

### Ⓔ Camera information

The camera (main or 2nd) that recorded the currently displayed video is shown.

**Main:** Main camera

**2nd:** 2nd camera

## Description of the Screen Displays (continued)

### 14 Officers

ID	First	Middle	Last
Officer1	Arbitrator		
Officer2			

VehicleID	Area	Shift	Unit	Agency

Info Officers Snapshot Bookmark Classify

When a video file recorded with the SA366/WV-TW370/ WV-BWC4000 is selected:

ID	First	Middle	Last
Officer	User02	Body	2 Worn

CameraID	VehicleID	Area	Shift	Unit	Agency
S-GT0005	Vehicle-3-4	Area-3-4	Shift-3-4	Unit-3-4	

Info Officers Snapshot Bookmark Classify

Officer information is displayed.

(See "Officer information (Officers)," page 19.)

#### (a) Officer/Officer1/Officer2 information

Data for Officer, Officer1 and Officer2 are displayed.

**ID:** Officer ID

**First:** First name

**Middle:** Middle name

**Last:** Last name

#### (b) Shift information

**CameraID:** Camera ID

**VehicleID:** Vehicle ID

**Area:** Area

**Shift:** Shiftwork pattern

**Unit:** Unit

**Agency:** Police Agency

### Notes

- Agency, Unit, Shift, Area and VehicleID are the default names for Field1 to Field5 of meta-information. These names can be changed upon installation of the Back-End Server. However, Shift, Area and Source which are displayed on the Remote Control Panel connected to the recorder, and are the names corresponding to Field3 to Field5, can not be changed.
- The initially registered data of Officer1, Officer2 and Shift information are displayed for selected video files recorded with the WJ-VPU4000/WJ-VR30.
- If the selected video file is recorded with the AG-CPD15P or the AG-CPD10CRUP, Unit and Agency are not displayed.

### 15 Snapshot

Snapshot List Note

8/18/2009 3:10:17 PM

8/18/2009 3:10:10 PM

Info Officers Snapshot Bookmark Classify

(See "Snapshot information (Snapshot)," page 19.)

#### (a) Snapshot List

A list of snapshots in the selected video file is displayed. If a snapshot is selected, playback pauses at the location of the snapshot.

#### (b) Note

The note for the snapshot selected in the Snapshot List is displayed.

### 16 Bookmark

Bookmark List Note

8/18/2009 3:10:19 PM

Info Officers Snapshot Bookmark Classify

(See "Bookmark information (Bookmark)," page 20.)

#### (a) Bookmark List

A list of bookmarks in the selected video file is displayed. If a bookmark is selected, the bookmark position is located and the unit enters playback pause mode.

#### (b) Note

The note for the bookmark selected in the Bookmark List is displayed.

### 17 Classify

Classify List Classify Tag

8/18/2009 3:10:19 PM

8/18/2009 3:10:23 PM

Note

Info Officers Snapshot Bookmark Classify

(See "Classify information (Classify)," page 20.)

#### (a) Classify List

A list of classify information in the selected video file is displayed. If a classify information item is selected, that position is located and the unit enters playback pause mode.

#### (b) Classify Tag

The classify information tag selected in the Classify List is displayed.

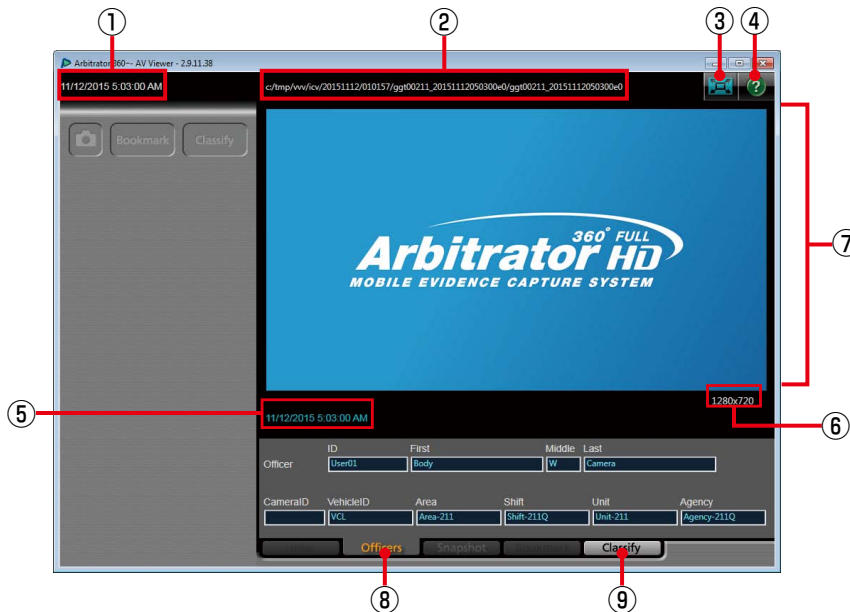
#### (c) Note

The classify information note selected in the Classify List is displayed.

## Description of the Screen Displays (continued)

### Snapshot View Screen

The following screen appears during a Snapshot view.



① , ⑤ **Time stamp**

Time stamp of the currently displayed file is shown.

② **Snapshot source location**

The folder path and the event name is shown.

③ **Full Screen button**

When this button is clicked, the screen is displayed in full screen mode.  
(See "Switching screens," page 13.)

④ **Help button**

When this button is clicked, Help is displayed.

⑥ **Snapshot Resolution**

Snapshot resolution is displayed.

⑦ **Snapshot Display Section**

Snapshot is displayed.

⑧ **Officers**

①

ID	First	Middle	Last
User01	Body		W

②

CameraID	VehicleID	Area	Shift	Unit	Agency
VCL	Vehicle-211	Area-211	Shift-211Q	Unit-211	Agency-211Q

Officers Snapshot Classify

Officer information is displayed  
(See "Officer information (Officers)," page 19.)

① **Officer information**

**ID:** Officer ID

**First:** First name

**Middle:** Middle name

**Last:** Last name

② **Shift information**

**CameraID:** Camera ID

**VehicleID:** Vehicle ID

**Area:** Area

**Shift:** Shiftwork pattern

**Unit:** Unit

**Agency:** Police agency

⑨ **Classify**

①

Classify List	Classify Tag
11/12/2015 5:03:00 A	DUI

②

Note

This is an accident

Officers Snapshot Classify

(See "Classify information (Classify)," page 20.)

① **Classify List**

A list of classify information in the selected Snapshot file is displayed.

② **Classify Tag**

The classify information tag selected in the Classify List is displayed.

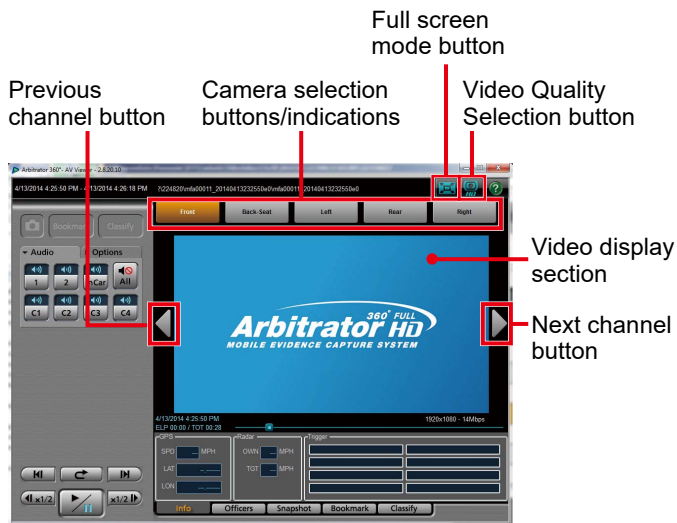
③ **Note**

The classify information note selected in the Classify List is displayed.

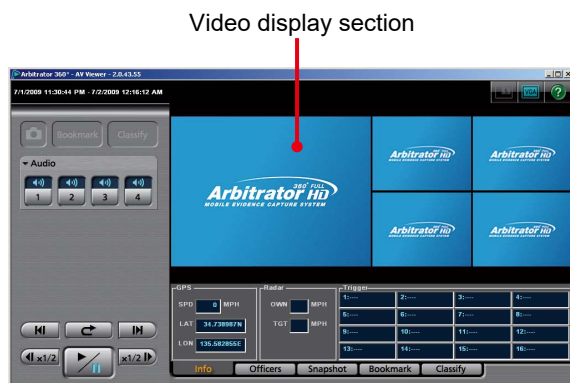
# Operations

## Switching screens

The following screen appears during playback of a video recorded with the WJ-VPU4000/WJ-VR30.

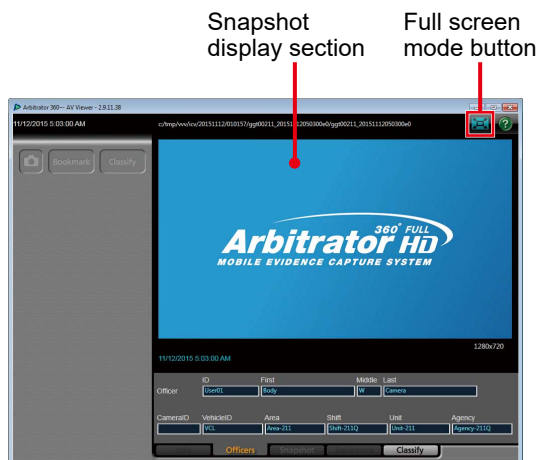


The following screen appears during AV file playback.



Videos displayed on the display section is switched.

The following screen appears during Snapshot view.



**Changing the number of displayed videos (Provided only during playback of a video recorded with the WJ-VPU4000/WJ-VR30.)**

Double click the Video display section to select one or two video display mode. You cannot change the number of displayed videos when only one channel is recorded.

One video display mode



Two video display mode





## Operations (continued)

### Changing the display mode (Provided during AV3/MP4 file playback or Snapshot view.)

- During AV3/MP4 file playback



Click the full screen button to change the one or two video display mode to the full screen mode. When the two video display mode is selected, the left video or switches to full screen mode. Click the full screen exit button to return the full screen mode to the one or two video display mode. The Esc key is also the same.

- During Snapshot view





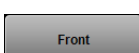



Click the full screen button to change to the full screen mode. Click the full screen exit button to return the full screen mode to the original display mode. The Esc key is also the same.

### Selecting camera channel (Provided only during playback of a video recorded with the WJ-VPU4000/WJ-VR30)

In one video display mode, use the camera selection button to change the video displayed in the Video display section. Click the Previous/Next channel button to change the video displayed in the Video display section to a video of the previous/next channel. In two video display mode, the camera selection buttons appear. Click a camera selection button to select it. While the button is selected, click a video image in the Video display section to display the video of the selected button.

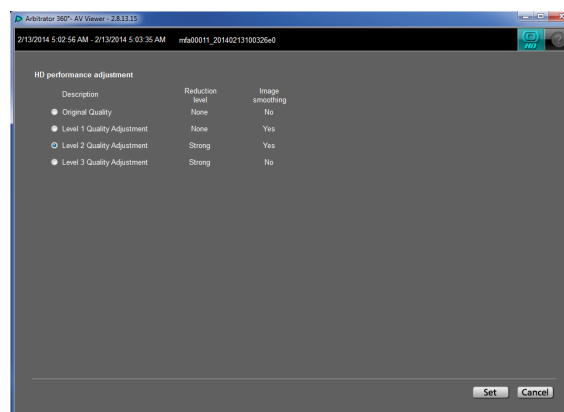
### Camera selection buttons/indications

The following buttons/indications are displayed.

Button/ Indication	Description
	• The currently selected camera
	• The camera is displayed in the Video display section. • Playable video data currently exists.
	• The camera is not displayed in the Video display section. • Playable video data currently exists.
	• The camera is displayed in the Video display section. • Playable video data does not currently exist, although the camera was configured to record video, or the camera was in safe mode.
	• The camera is not displayed in the Video display section. • Playable video data does not currently exist, although the camera was configured to record video.
	• The camera has not been configured to be connected to the recorder. (Not selectable)

### Selecting the video quality (Provided only during playback of a video recorded with the WJ-VPU4000/WJ-VR30/WV-BWC4000)



When the Video Quality Selection button is clicked, the video quality selection screen appears shown in below. Select the video quality on the Video Display Section.



Video quality can be selected from four levels that consist of a combination of reduction level (None or Strong) and image smoothing (Yes or No) settings. When the reduction level is set to Strong, the video quality is lower, reducing the PC performance requirements. When image smoothing is set to Yes, the video quality is higher, increasing the PC performance requirements.

## Operations (continued)

### Switching the QVGA and VGA sizes (Provided only during AV file playback)

Select the display size of videos, QVGA or VGA, using the   (QVGA/VGA switch) button.



#### VGA display



#### QVGA display



### Switching the Main video and Sub video (Provided only during AV file playback)

With the VGA size screen, select the displayed video, either the main or sub video, using the   (Main/Sub video switch) button.

#### Note


If the selected video file is recorded with the AG-CPD15P or the AG-CPD10CRUP, this button is not enabled.

## Playback



Click on .  
Playback starts.

### To pause playback


Click on .  
Playback pauses.  
Playback restarts if you click on the button again.

## Skip playback



You can skip to various playback locations.

### Frame forward playback

Click on  during pause.  
An image one frame after the current frame will be displayed.

### Skip back/Frame rewind playback

Click on  or  during playback.

### If the button is clicked during playback

If the button is clicked after more than 5 seconds after playback starts, playback of the current file will start from the beginning.

### If the button is clicked during fast forward or fast rewind

Playback will start from the beginning of the current file.

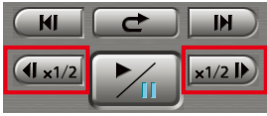
### If the button is clicked during pause

An image one frame before the current frame will be displayed.

#### Note

When the button is clicked while an AV3 file is paused, the image from about one second before the current frame will be displayed.

### Fast rewind, fast forward, and slow playback



You can skip to various playback locations.

### Fast forward playback and slow playback

Click on [x2] or [x1/2].

#### If the button is clicked during playback

Fast forward playback starts. Each time this button is clicked, fast forward playback speed changes among x2, x4, and x20.

During fast forward playback, indication on the Playback/Pause button is [x2].

At the end of the file, playback pauses.

#### If the button is clicked during pause

Slow playback starts. Each time this button is clicked, slow playback speed changes between 1/2 and 1/4.

During slow playback, indication on the Playback/Pause button is [1/2].

At the end of the file, playback pauses.

#### Notes

- The displayed fast forward playback speed is rough indication. Depending on the status of the PC or the network, the fast forward playback speed may vary.
- If [x2] is clicked during fast forward, normal playback starts. The indication for the fast forward button becomes [x2].
- If [1/2] is clicked during slow playback, playback pauses. The indication for the slow playback button becomes [1/2].

### Fast rewind playback and slow reverse playback

Click on [x2] or [x1/2].

#### If the button is clicked during playback

Fast rewind playback starts. Each time this button is clicked, fast rewind playback speed changes among x2, x4, and x20.

During fast rewind playback, indication on the Playback/Pause button is [x2].

At the beginning of the file, playback pauses.

#### If the button is clicked during pause

Slow reverse playback starts. Each time this button is clicked, slow reverse playback speed changes between 1/2 and 1/4.

During slow reverse playback, indication on the Playback/Pause button is [1/2].

At the beginning of the file, playback pauses.

#### Notes

- The displayed fast rewind playback speed is rough indication. Depending on the status of the PC or the network, the fast rewind playback speed may vary.
- If [x2] is clicked during fast rewind, normal playback starts. The indication for the fast rewind button becomes [x2].
- If [1/2] is clicked during slow reverse playback, playback pauses. The indication for the slow reverse playback button becomes [1/2].
- When playing back AV3 files, only i-frames, which exist every second, are displayed in fast forward, fast rewind and slow reverse playback.

### Quick replay



Click on [Quick Replay].

Playback from a location 7 seconds before the button is clicked starts. If this button is clicked within 7 seconds from the beginning of a file, playback starts from the beginning of the file.





### Turning playback sound On or Off




1. Click on the Audio tab to open.
2. Click on an audio mute button you wish to set.


Each time the button is clicked, On and Off are switched alternately. The current setting is displayed on the upper part of the button.

: Audio mute Off (Playback sound On)

: Audio mute On (Playback sound Off)

When a camera is disconnected while the camera connection setting is ON, a red × mark is displayed.

: Disconnection and Audio mute Off

: Disconnection and Audio mute On

#### Notes


- If no sound is recorded on a channel, the corresponding channel button is disabled.
- Audio 1, Audio 2, Audio 3 and Audio 4 buttons are available for selected video files recorded with the AG-CPD20P.
- Audio 1 and Audio 2 buttons are available for selected video files that are recorded with the AG-CPD15P or the AG-CPD10CRUP. Audio 3 and Audio 4 buttons are disabled.
- Only Audio 1 button is available for selected video files recorded with the SA366/WV-TW370/WV-BWC4000.


### Turning all playback sound On or Off



1. Click on the Options tab to open.
2. Click on the mute all button you wish to set.

Each time the button is clicked, On and Off are switched alternately. The status after pressing the button is displayed on the upper part of the button.

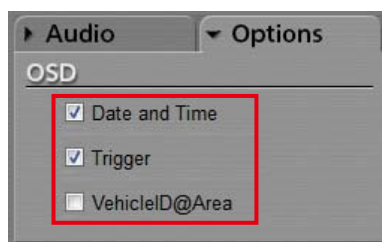
: All audio mute Off (Playback sound On)

: All audio mute On (Playback sound Off)

#### Note

This button works despite mute condition of audio channels.

### OSD display



Tab for video files recorded with the SA366/WV-TW370/WV-BWC4000:



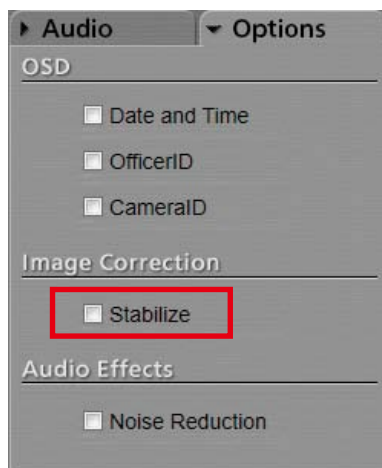
1. Click on the Options tab to open.
2. Check the check box and then the corresponding item is displayed on the video.

#### Notes

- The display information depends on meta-information.
- The display position depends on meta-information.

### Image Correction

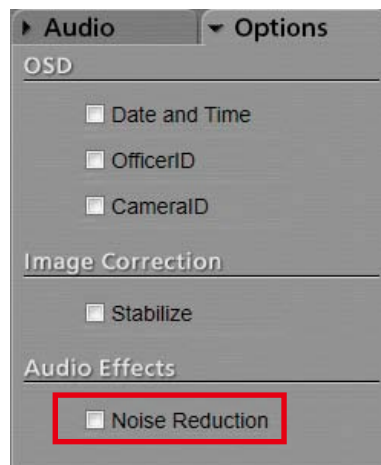
(Provided only with the VW-TW370/WV-BWC4000)



1. Click on the Options tab to open.
2. Check the check box and then the image correction video is played.

### Audio Effects

(Provided only with the WV-BWC4000)



1. Click on the Options tab to open.
2. Click the check box of Noise Reduction and then the noise reduction is activated.

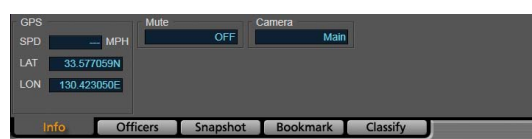
### Displaying information

#### Meta information (Info)

If the Info tab is clicked on the playback screen, meta information will be displayed.



Tab for video recorded with the SA366/WV-TW370/WV-BWC4000:



#### •GPS information

In the GPS information section, the current location and car speed data obtained from the GPS are displayed.

**SPD:** Vehicle speed

**LAT:** Latitude

**LON:** Longitude

#### •Radar information

In the Radar information section, the speeds of your car and target car that are measured by the radar gun are displayed.

**OWN:** Own vehicle speed

**TGT:** Target vehicle speed

#### •Trigger information

In the Trigger information section, the GPI input status is displayed.

## Operations (continued)

### •Mute information

Audio mute status is displayed.

**ON:** Mute on

**OFF:** Mute off

### •Camera information

The camera (main or 2nd) that recorded the currently displayed video is shown.

**Main:** Main camera

**2nd:** 2nd camera

### Notes

- Radar information and Trigger information are not displayed for video files recorded with the SA366.
- Mute information and Camera information are displayed only for video files recorded with the SA366/WV-TW370/WV-BWC4000.

### Officer information (Officers)

If the Officers tab is clicked on the playback screen, officer information that is registered in the Recorder is displayed.

ID	First	Middle	Last	
Officer1	Arbitrator	---	---	
Officer2	---	---	---	
VehicleID	Area	Shift	Unit	Agency
---	---	---	---	---

Info Officers Snapshot Bookmark Classify

Tab for video recorded with the SA366/WV-TW370/WV-BWC4000:

Officer	ID	First	Middle	Last	
	User02	Body	2	Worn	
CameraID	VehicleID	Area	Shift	Unit	Agency
S-GF100065	Vehicle-3-4	Area-3-4	Shift-3-4	Unit-3-4	

Info Officers Snapshot Bookmark Classify

### • Officer information

The officer IDs and first, middle, and last names for Officer, Officer 1 and Officer 2 are displayed in the corresponding fields.

### • Shift information

Data of shiftwork pattern for officers are displayed.

**CameraID:** Camera ID

**VehicleID:** Vehicle ID

**Area:** Area

**Shift:** Shiftwork pattern

**Unit:** Unit

**Agency:** Police Agency

### Notes

- Agency, Unit, Shift, Area and VehicleID are the default names for Field1 to Field5 of meta-information. These names can be changed upon installation of the Back-End Server. However, Shift, Area and Source which are displayed on the Remote Control Panel connected to the recorder, and are the names corresponding to Field3 to Field5, can not be changed.
- The initially registered data of Officer1, Officer2 and Shift information are displayed for selected video files recorded with the WJ-VPU4000/WJ-VR30.
- If the selected video file is recorded with the AG-CPD15P or the AG-CPD10CRUP, Unit and Agency are not displayed.
- CameraID is displayed only for video file recorded with SA366/WV-TW370/WV-BWC4000.

### Snapshot information (Snapshot)

If the Snapshot tab is clicked on the playback screen, snapshot information of the selected video file will be displayed.

Snapshot List	Note
4/13/2014 4:25:52.308 PM 4/13/2014 4:26:06.870 PM	

Info Officers Snapshot Bookmark Classify

### • To display a snapshot picture

Select a snapshot you wish to display from the Snapshot List. The selected snapshot is displayed in the Video Display Section in Pause mode.

### Note

- The formats for the names displayed in the Snapshot List are as follows.

During playback of MP4 files created with the WJ-VPU4000:

***Date Time.zzz***

During playback of AV3 files created with the WJ-VR30:

***Date Time.zzz***

During playback of AV files created with the AG-CPD20P:

***Date Time.ff***

During playback of AV files created with the AG-CPD15 or AG-CPD10CRUP:

***Date Time***

There may be a discrepancy of up to about 1 second between the time for the embedded OSD and the time in the name.

The italic text indicates the following.

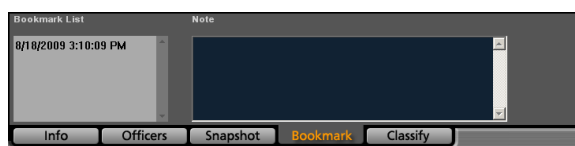
***Date & Time:*** The date and time are displayed in the format specified under the Regional and Language Options of the Windows Control Panel.

***zzz:*** Millisecond (0 to 999)

***ff:*** Frame number (0 to 29)

### Bookmark information (Bookmark)

If the Bookmark tab is clicked on the playback screen, bookmark information will be displayed. It is possible to move to a desired bookmark position.

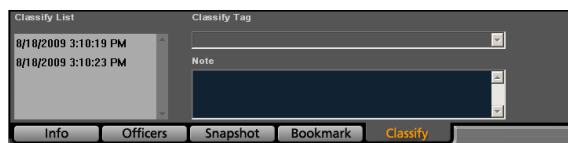


- **To move to a desired bookmark position**

Select a bookmark on the Bookmark List. The playback position moves to the selected bookmark position, then playback pauses.

### Classify information (Classify)

If the Classify tab is clicked on the playback screen, classify information will be displayed. It is possible to move to a desired classify information item position.



- **To move to a desired classify information item position**

Select a classify information item from the Classify List. The playback position moves to the selected classify information item position, then playback pauses.

# Error Messages

Message	Measure
The error not anticipated occurred.	An unanticipated error occurred. Reboot the AV Viewer and retry the operation.
There is no ActiveX necessary for the reproduction.	ActiveX application necessary for image reproduction is not installed. Export the AV Viewer using the Front-End application or Back-End Client application.
An illegal command line argument was specified.	Reboot the AV Viewer and retry the operation. Contact your supplier if the message is shown again.
ActiveX necessary for the reproduction was not able to be registered. When the registration of ActiveX is executed, it is necessary to execute the application by the manager authority.	The AV Viewer has not been executed, because it is not authorized.
It is not a stream file.	The specified file is not a video file that can be reproduced. Specify an AV file.
Two or more files cannot be set.	Drag and drop only one file into this application.
It is smaller than a resolution necessary to execute the application.	Resolution is set to low for the application. Set the resolution of the display to higher than 1024 x 768.
AV Viewer has already been executed. It is not possible to start doubly.	The AV Viewer is already open. It is not possible to start if open elsewhere. If a player has been started with the Back-End Client application, exit it.
Bookmark/classification mark already exists. The bookmark cannot be applied here.	Bookmark or classification mark already exists. The bookmark cannot be applied here. Set the bookmark more than 2 seconds apart from the other bookmark or classification mark.
Bookmark/classification mark already exists. The classification mark cannot be applied here.	Bookmark or classification mark already exists. The classification mark cannot be applied here. Set the classification mark more than 2 seconds apart from the other bookmark or classification mark.
There is no target file to be operated.	The specified file cannot be played back because there is no AV3 file.

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