SONY

Tape Digitize Station
Help

Overview
Provides an overview of the system functions.

Operation Flow
Describes the operation and overall flow of the system.

Operation Screen
Describes the name and function of the system operation screen.

Settings Screen
Describes the name and function of the system configuration screen.

How to Use this Help
Describes the parts of the Help window, and provides an explanation of its search function.

Notes

- In some browsers, it may not be possible to move between topics using the Back/Forward buttons. We recommend that you move between topics using the Contents in the navigation component.
- Reload/refresh the Help in your browser if the Help display becomes corrupted or freezes.

Software Version 1.4

PWS-100TD1/PWS-300TD2

4-535-614-15(1)

Overview

The PWS-100TD1/PWS-300TD2 is a system for digitizing VTR material to create clips and for storing clips on cartridges in an Optical Disc Archive System.
This web application is used for ingesting and transferring data, configuration and maintenance, and for controlling the PWS-100TD1/PWS-300TD2.
This Help describes both the PWS-100TD1 and PWS-300TD2 products. Where differences between the two products occur, the product name (PWS-100TD1 or PWS-300TD2) is indicated.

Note

This system is Windows-based, however the execution of applications and other software is restricted due to anti-virus software and other settings. Consequently, users cannot install or run arbitrary applications. Operation of this system is not guaranteed if applications other than those specified are installed or configured.

System Configuration (PWS-100TD1)

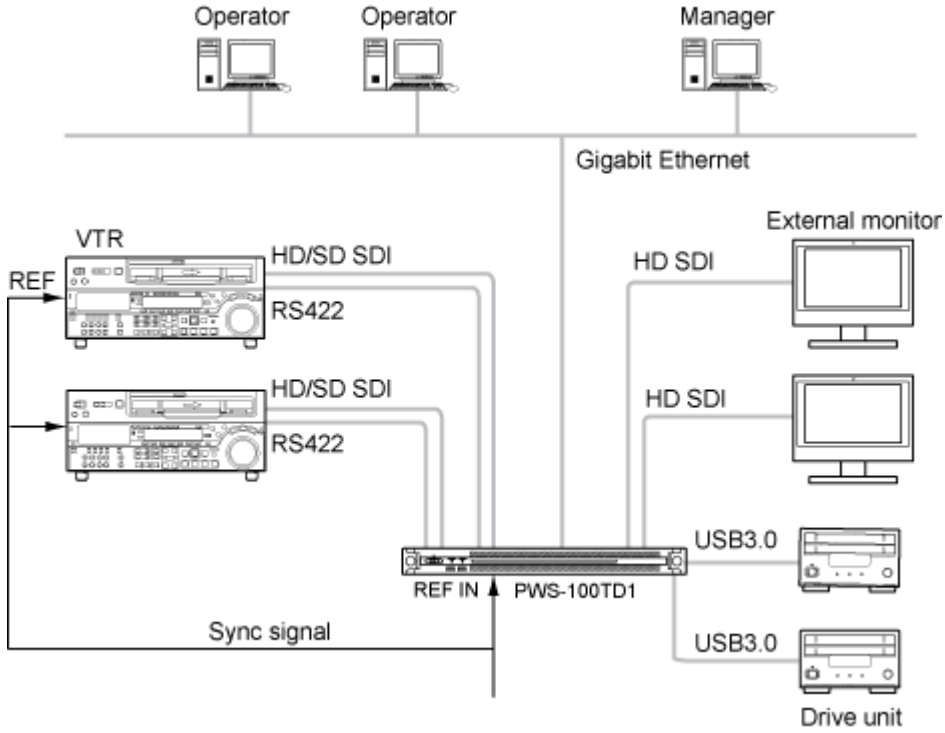
Connect VTRs and external monitors to the SDI connectors of the PWS-100TD1, and drive units to the USB connectors on the rear panel. You can select a 2-input/2-output, 3-input/1-output, or 4-output system configuration by configuring SDI settings in the web application.
Up to two drive units can be connected.

Notes

- If multiple VTRs are connected, make sure that all VTRs are synchronized (±1H).
- Set the EE/PB setting of the VTR to PB.
- The PWS-100TD1 can handle up to 30000 files (including folders) on each cartridge. Cartridges with files that exceed this limit cannot be used in the PWS-100TD1.

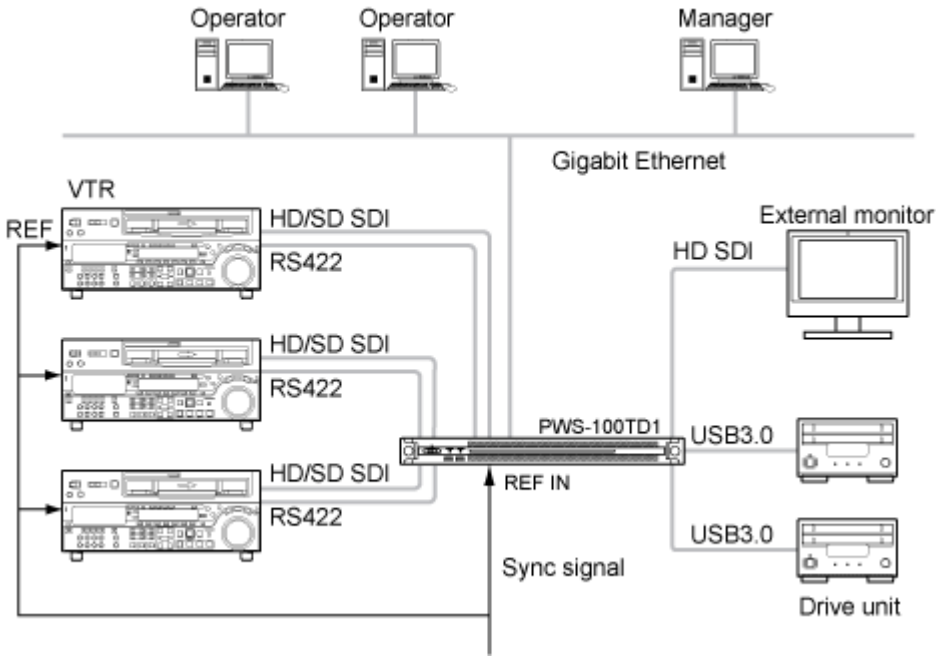
2 inputs/2 outputs

Connect VTRs to the SDI 1 and SDI 2 connectors, and external monitors to the SDI 3 and SDI 4 connectors. You can use this configuration to digitize video from two VTRs in parallel.



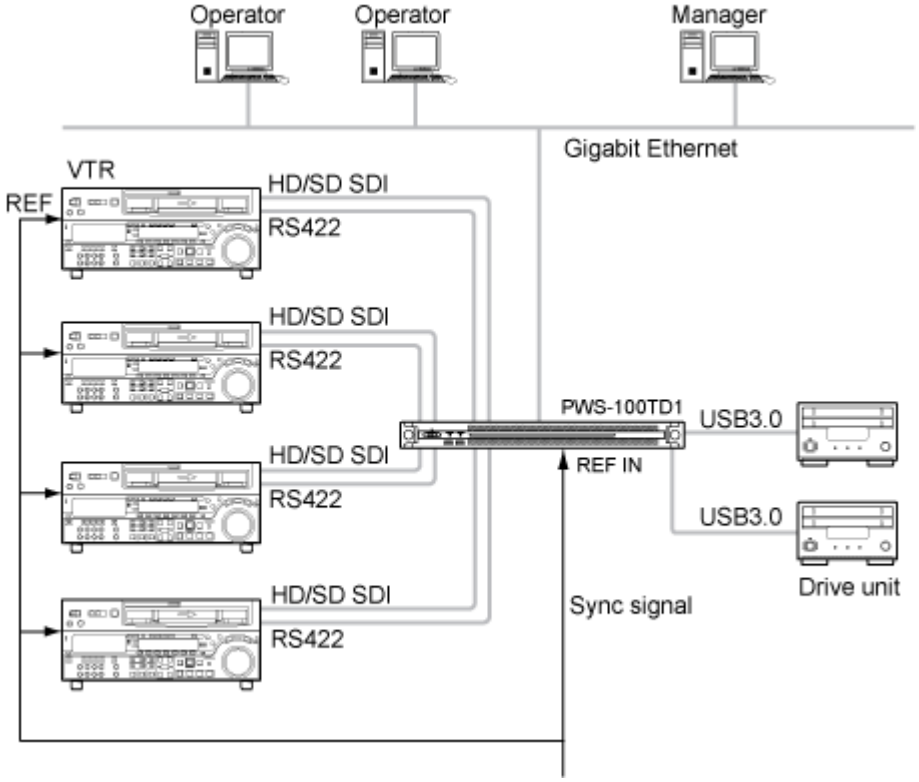
3 inputs/1 output

Connect VTRs to the SDI 1 to 3 connectors, and an external monitor to the SDI 4 connector. The external monitor connected to the SDI 4 connector is used to monitor the high-resolution images of clips.



4 inputs

Connect VTRs to the SDI 1 to 4 connectors. The SDI 4 connector can be used to monitor the high-resolution images of clips if not used for ingesting.



RAID configuration selection

After setting the system configuration, set the RAID configuration so that it has the same number SDI inputs and logical drives as the selected system configuration.
You set the RAID configuration using the PWS-100 maintenance web application. Set up the RAID configuration shown below, according to the selected system configuration. Configurations other than the following are not supported.

For details about configuration, refer to the operation manual of the PWS-100 maintenance web application.

- For 2 inputs/2 outputs: (5D + 1P) × 2
- For 3 inputs/1 output: (3D + 1P) × 3
- For 4 inputs: (2D + 1P) × 4

Note

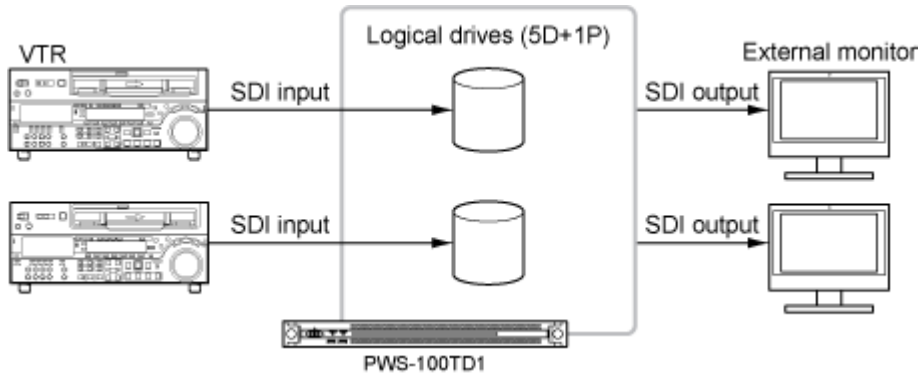
If the RAID configuration is changed, all full-resolution files, proxy files, report files, and work orders written in internal storage are deleted.
Before changing the RAID configuration, always transfer or download all data to prevent data loss.

About RAID configuration

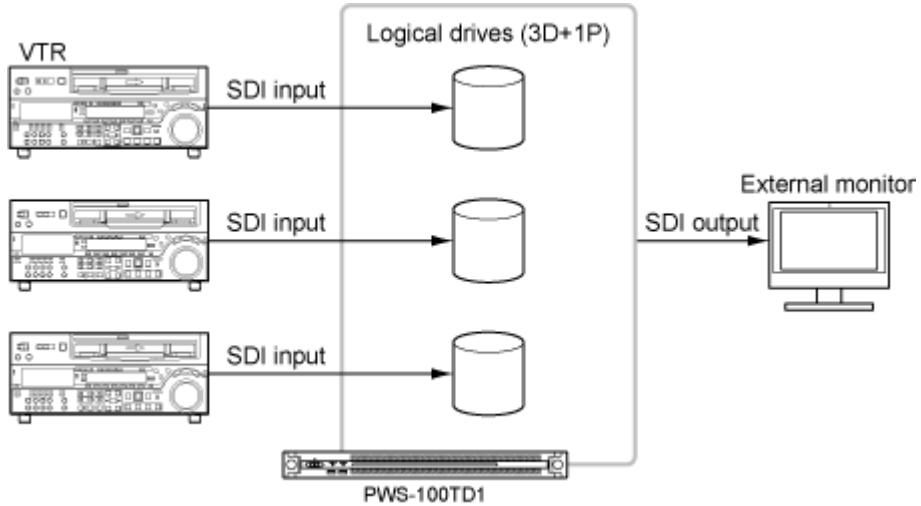
The PWS-100TD1 supports the following RAID configurations when a total of 12 HDDs are installed.

- 2D + 1P: Contains a total of four logical drives, where each logical drive contains two data HDDs and one parity HDD.
- 3D + 1P: Contains a total of three logical drives, where each logical drive contains three data HDDs and one parity HDD.
- 5D + 1P: Contains a total of two logical drives, where each logical drive contains five data HDDs and one parity HDD.

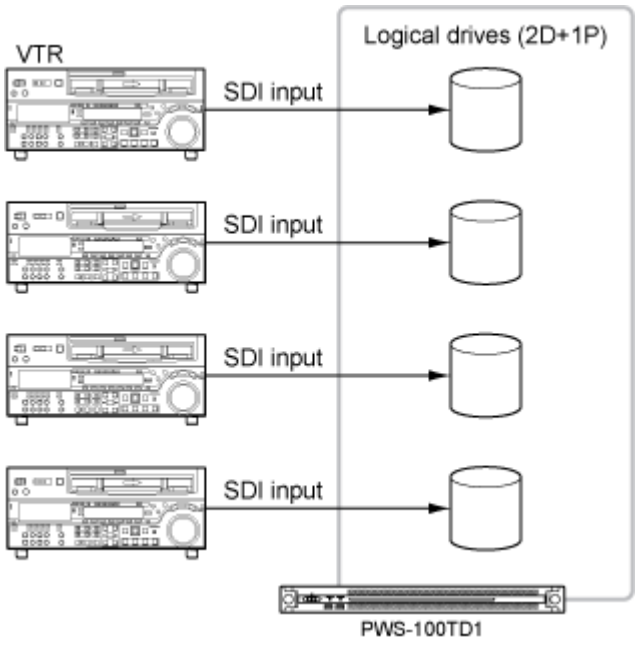
For 2 inputs/2 outputs



For 3 inputs/1 output



For 4 inputs


Logical drives (2D+1P)
VTR
SDI input
SDI input
SDI input
SDI input
PWS-100TD1

System Configuration (PWS-300TD2)

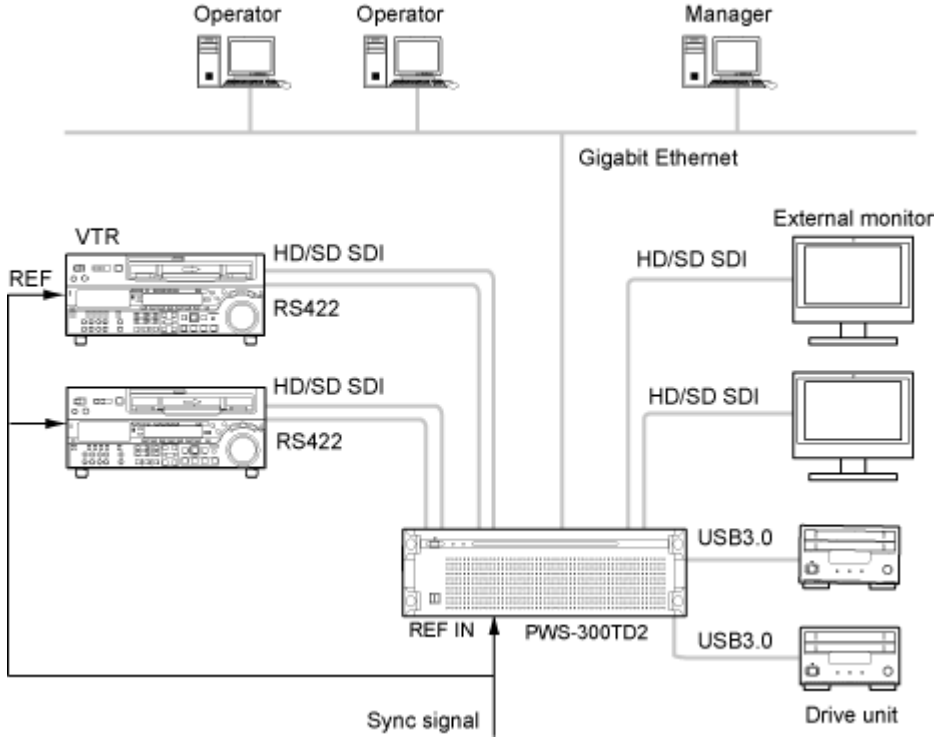
Connect VTRs and external monitors to the SDI connectors of the PWS-300TD2, and drive units to the USB 3.0 connectors on the rear panel. You can select a 2-input/2-output, 3-input/1-output, or 4-output system configuration by configuring SDI settings in the web application. Only the 2-input/2-output configuration can be set for the SStP codec. Any system configuration can be selected for the XAVC-I, MPEG-HD, IMX, and Uncompressed SD codecs.
Up to two drive units can be connected.

Notes

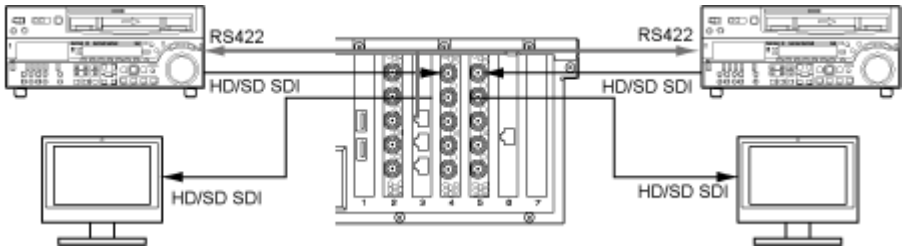
- If multiple VTRs are connected, make sure that all VTRs are synchronized (±1H).
- Set the EE/PB setting of the VTR to PB.
- The PWS-300TD2 can handle up to 30000 files (including folders) on each cartridge. Cartridges with files that exceed this limit cannot be used in the PWS-300TD2.

2 inputs/2 outputs

Connect two VTRs and two external monitors to the SDI connectors. You can use this configuration to digitize video from two VTRs in parallel.
The SStP (Single/DBL) codec uses the SDI connectors of two SSTP CODEC CARDs. The XAVC-I, MPEG-HD, IMX, and Uncompressed SD codecs use the SDI connectors on the XAVC 4K/HD CODEC CARD.

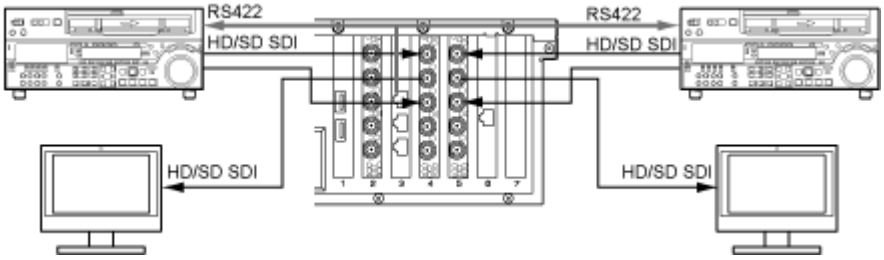


Connections (SStP Single)



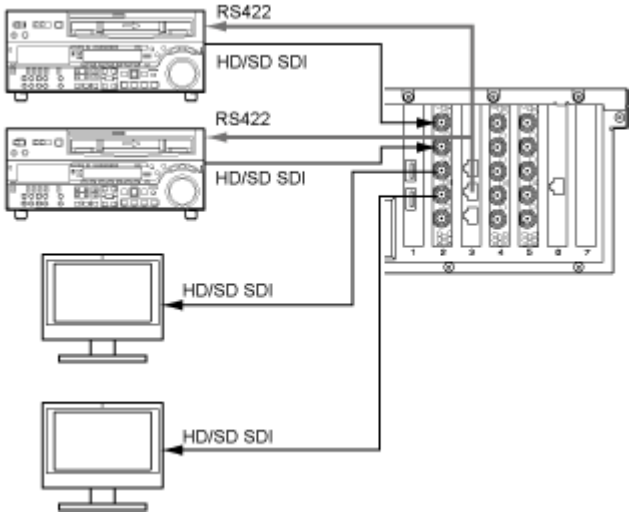
Connect the VTRs to the SDI 1 connector, and the external monitors to the SDI 2 connectors, on the two SSTP CODEC CARDS. Remote connections use the REMOTE 1/2 connector.

Connections (SStP DBL)



Connect the VTRs to the SDI 1 and SDI 3 connectors on the SSTP CODEC CARDs using two SDI cables. Connect the external monitors to the SDI 2 connectors. Remote connections use the REMOTE 1/2 connector.
For SStP DBL, only dual link SDI is supported. Set to Dual Link on the VTR.

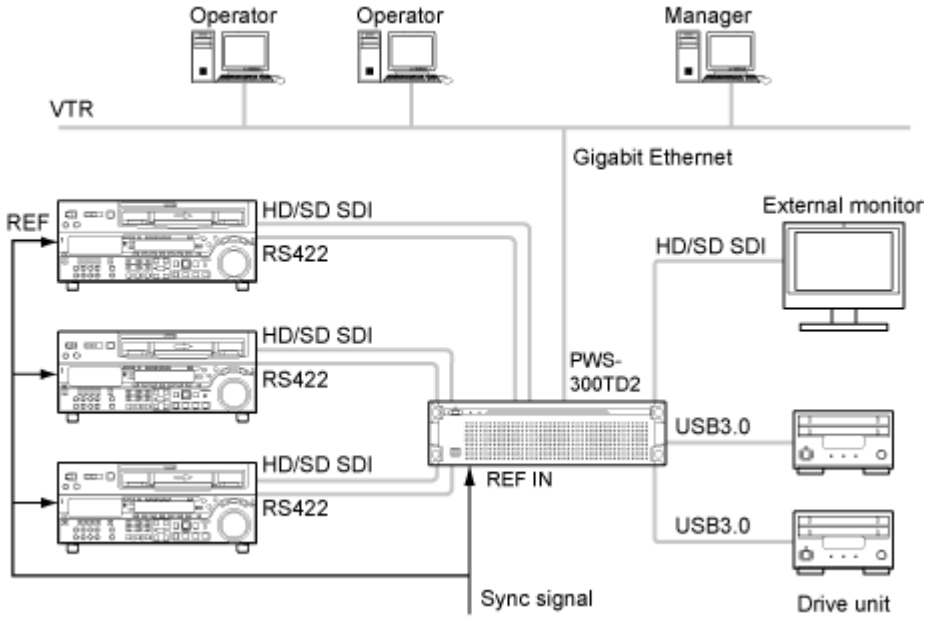
Connections (XAVC-I, MPEG-HD, IMX, Uncompressed SD)



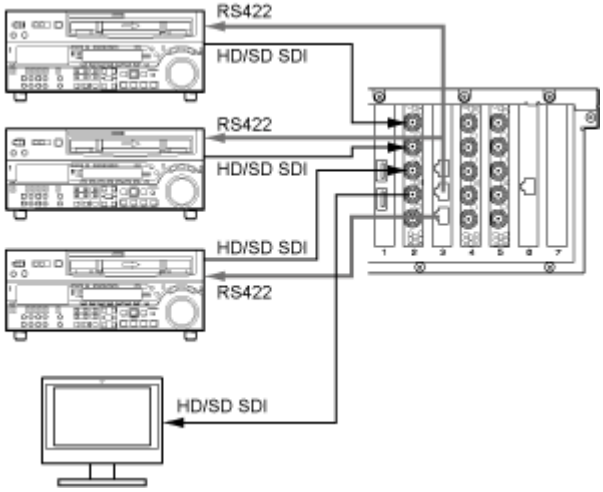
Connect VTRs to the SDI 1 and SDI 2 connectors, and external monitors to the SDI 3 and SDI 4 connectors, on the XAVC 4K/HD CODEC CARD. Remote connections use the REMOTE 3/4 connector.

3 inputs/1 output

This configuration can be set for XAVC-I, MPEG-HD, IMX, and Uncompressed SD. Connect the VTRs to the SDI 1 to SDI 3 connectors, and an external monitor to the SDI 4 connector, on the XAVC 4K/HD CODEC CARD. The external monitor connected to the SDI 4 connector is used to monitor the high-resolution images of clips.



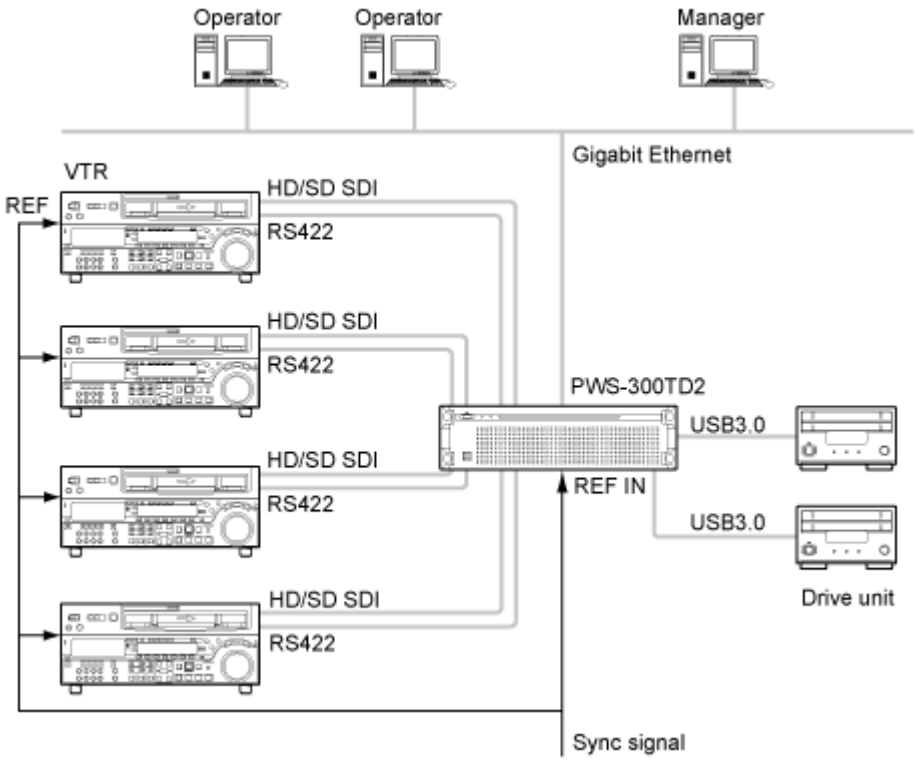
Connections



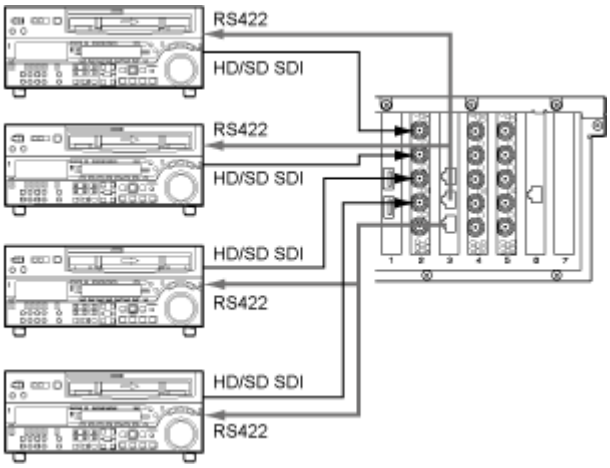
Remote connections use the REMOTE 3/4 and REMOTE 5/6 connectors.

4 inputs

This configuration can be set for XAVC-I, MPEG-HD, IMX, and Uncompressed SD. Connect the VTRs to the SDI 1 to SDI 4 connectors on the XAVC 4K/HD CODEC CARD. The SDI 4 connector can be used to monitor the high-resolution images of clips if not used for ingesting.



Connections



Remote connections use the REMOTE 3/4 and REMOTE 5/6 connectors.

RAID configuration selection

After setting the system configuration, set the RAID configuration so that it has the same number SDI inputs and logical drives as the selected system configuration.
For details about setting the RAID configuration, refer to the PWS-300TD2 Installation Guide.

- For 2 inputs/2 outputs: (5D + 1P) × 2
- For 3 inputs/1 output: (3D + 1P) × 3
- For 4 inputs: (2D + 1P) × 4

Note

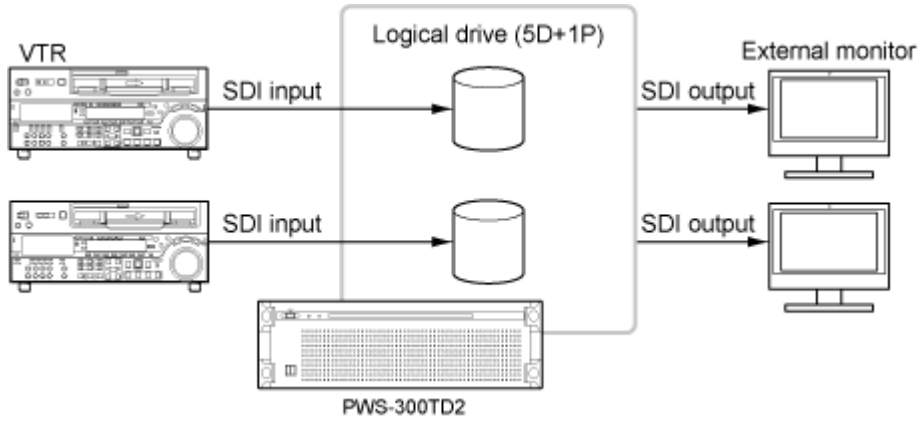
If the RAID configuration is changed, all full-resolution files, proxy files, report files, and work orders written in internal storage are deleted.
Before changing the RAID configuration, always transfer or download all data to prevent data loss.

About RAID configuration

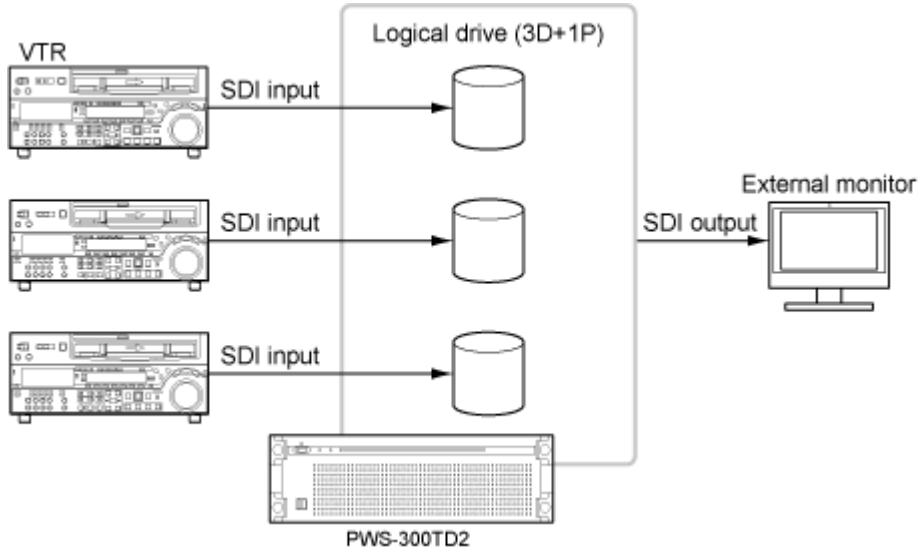
The PWS-300TD2 supports the following RAID configurations when a total of 12 HDDs are installed.

- 2D + 1P: Contains a total of four logical drives, where each logical drive contains two data HDDs and one parity HDD.
- 3D + 1P: Contains a total of three logical drives, where each logical drive contains three data HDDs and one parity HDD.
- 5D + 1P: Contains a total of two logical drives, where each logical drive contains five data HDDs and one parity HDD.

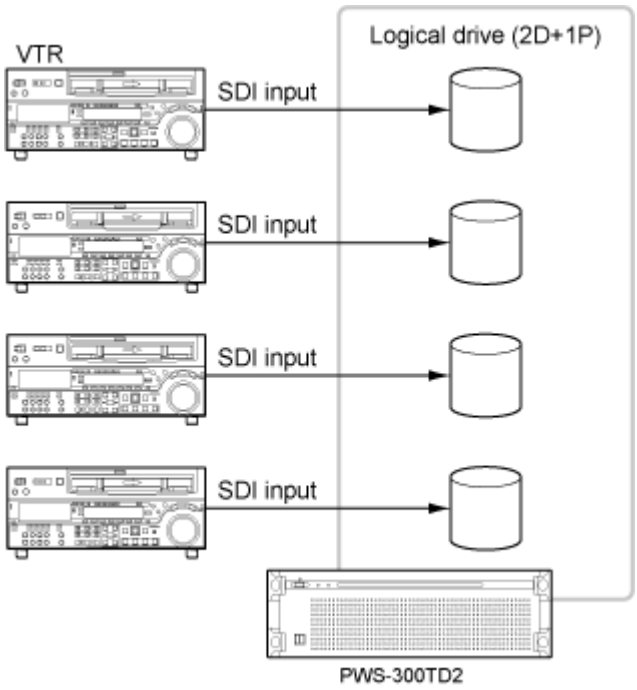
For 2 inputs/2 outputs



For 3 inputs/1 output



For 4 inputs


Logical drive (2D+1P)
VTR
SDI input
SDI input
SDI input
SDI input
PWS-300TD2

Use Case Examples

This section describes two use cases.

Use case 1

The manager specifies the tasks that an operator performs, and the operator performs the specified tasks.

Manager role

- Prepare tapes and cartridges for use.
- Determine the task workflow.
- Specify In points and Out points.
- Specify the properties to be registered.
- Review results and determine outcomes (OK/NG).

Operator role

- Execute ingest tasks.

Task workflow

Manager	Prepare tapes and cartridges. ↓ Define the workflow tasks in a work order. (Select workflow, specify In/Out points, enter tape/cartridge information, set properties) ↓ Register the work order. ↓
Operator	Select the registered tasks. ↓ Insert a tape into the VTR. ↓ Start the ingest task. ↓
Manager	Review the clips and pass judgment (OK/NG).

Use case 2

The manager specifies the target tapes to digitize and the workflow details are left to the operator. In this case, a manager can also serve as an operator.

Manager role

- Prepare tapes and cartridges for use.
- Determine the task workflow.

Operator role

- Specify In points and Out points.
- Execute ingest tasks.
- Specify the properties to be registered.
- Review results and determine outcomes (OK/NG).

Task workflow

Manager	Prepare tapes and cartridges. ↓ Define the workflow tasks in a work order. (Select workflow, enter tape/cartridge information) ↓ Register the work order. ↓
Operator	Select the registered tasks. ↓ Insert a tape into the VTR. ↓ Specify the In and Out points while monitoring the VTR video. ↓ Start the ingest task. ↓ Review the clips and pass judgment (OK/NG).

User permissions

This system supports two types of permissions (manager role and user role). You can set the access permission for each user on the [User] page of the Settings screen.
The manager role is required in order to create work orders and tasks. If an operator is required to specify In/Out points, change tasks, or create tasks, as in Use Case 2, then the operator must have a manger role.
Users with user role can execute tasks created by users with manager role, but they cannot create tasks themselves.

Task Flow

The system executes the following tasks when digitizing VTR material and archiving material to cartridges or network drives. Not all task are required, and only those tasks required to achieve the desired purpose can be executed. The tasks to be executed can be selected in a workflow. The ingest and review tasks require user interaction when executing. Other tasks can be executed automatically by selecting a workflow containing those tasks.

Step 1. Ingest

Digitize VTR material and create clips. For details about the ingest procedure, see Ingesting.

Step 2. Quality check

Performs a simple check of the clips created during ingesting. When a quality check is specified in a workflow, it is executed automatically after ingesting ends. The items to check are specified beforehand by creating a profile on the [Quality Check] page.

Step 3. Review

Display the clips on a monitor so that a user can check if there are any problems. After review, pass judgment on the clips (OK: pass, NG: fail). If a clip is deemed to be OK, you can proceed to the next task. For details about the review procedure, see Reviewing Clips.

Step 4. Transfer

Transfer clips to cartridges, network drives, or XDA. For details about the transfer procedure, see Transferring Clips. If a transfer task is specified immediately after review in the workflow, it is executed automatically after the review ends.

Step 5. Register

Registers metadata in a CMS. Selecting a workflow that does not contain a transfer task allows you to register clips in a CMS.

Step 6. Delete

Delete clips that have been transferred from the system HDD. You can select an option to retain the clip properties and proxy video data when deleting clips.[1)] Whether this option is selected or not, deleting clips that have not been transferred to cartridge will delete all clip data.

1) Clip properties and proxy video data can be exported for clip management using Content Manager. You export data using the [Transfer] page of the Settings screen. You can also delete this data using the [Transfer] page of the Settings screen.

Defining Tasks using a Work Order

A manager can specify tasks to perform by defininig the tasks to execute and assigning the tasks to an operator in a work order.
This section describes the taskflow when using a work order to execute tasks.

Step 1. Create a work order (manager)

A manager opens the [Create] dialog on the Workflow screen and creates a work order. The following major items can be defined in a work order.

- Workflow to execute (type of task to execute)
- Assign user for ingest task and review task
  (Tasks other than ingest and review tasks are executed automatically, so a user does not need to be specified.)
- Ingest In point and Out points (optional)
- Destination cartridges when transferring created clips
- Quality check items (profile)

For details about creating a work order, see Creating a Work Order.

Step 2. Register the work order (manager)

Click the [Submit] button in the [Create] dialog.
The created work order is registered in the workflow list on the Workflow screen.

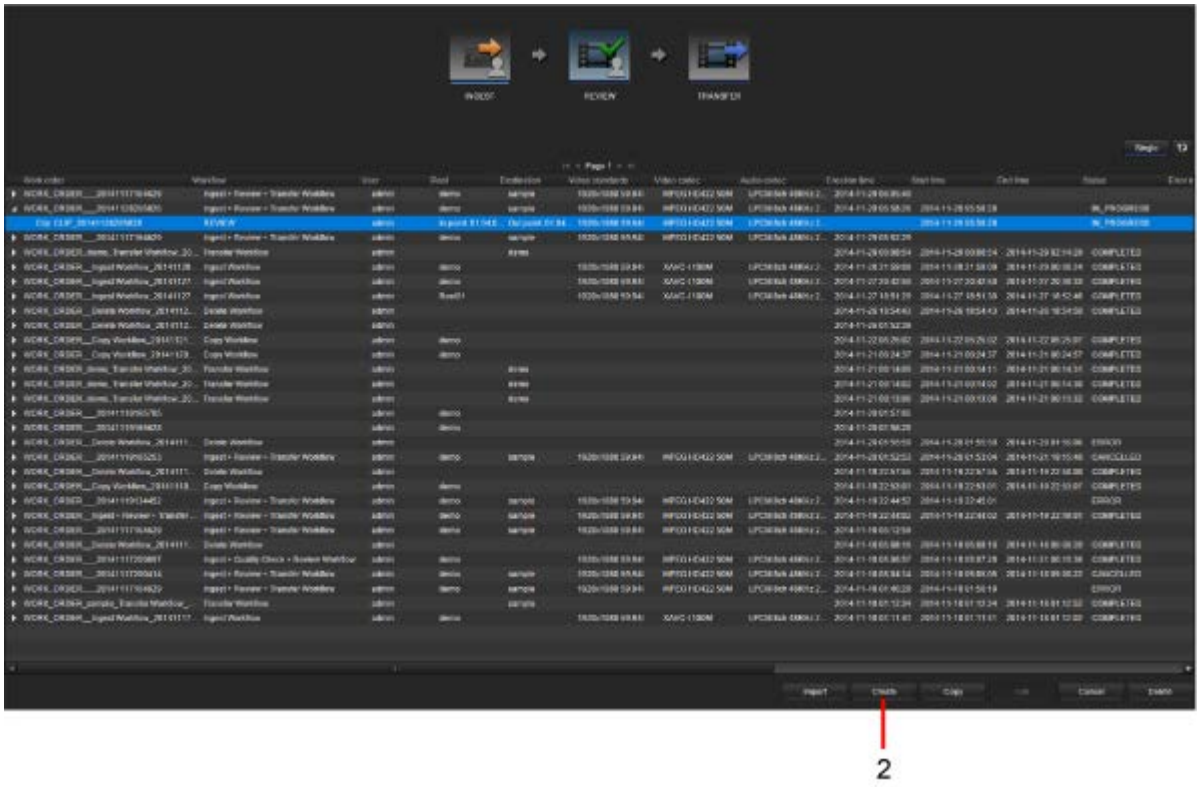
Step 3. Start the workflow (operator)

The operator assigned for ingesting selects the task from the task list to begin ingesting. For details about the ingest procedure, see Ingesting.
After ingest starts, the tasks are executed according to the workflow specified in the work order. If a workflow contains a review task, the workflow stops at the review task step. The assigned user reviews the clips and passes judgment (OK/NG).

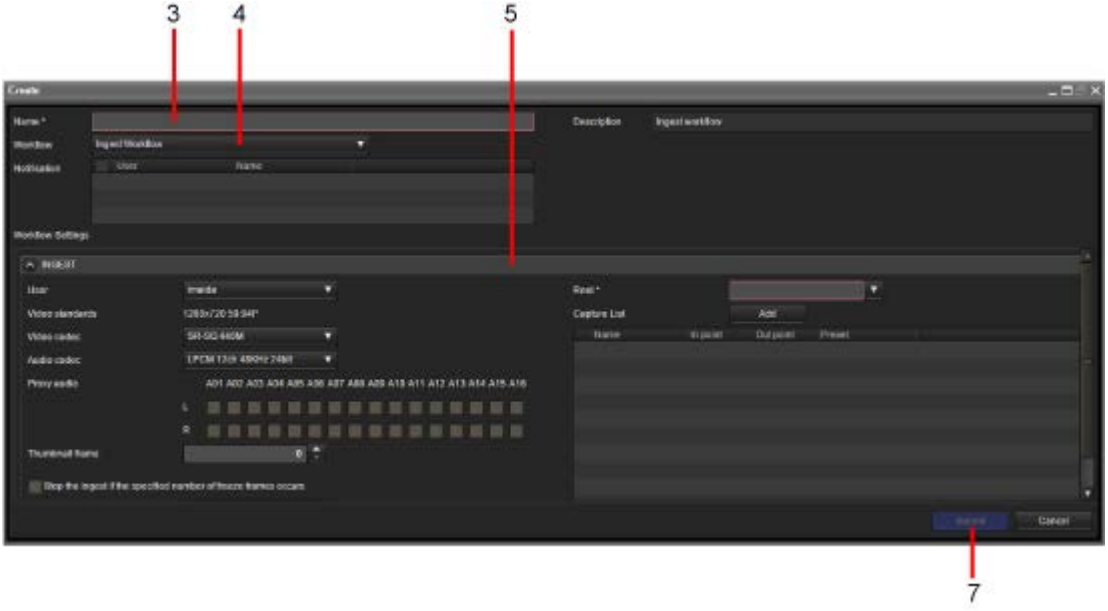
Operation Flow

This section describes the operation and overall flow of the system.

Creating a Work Order



1. Open the Workflow screen.
2. Click the [Create] button.
   The [Create] dialog appears.



* PWS-100TD1 diagram shown.

3. Enter a name for the work order in [Name].
4. Select the type of workflow in [Workflow].
   The workflow defines the tasks to implement (ingest, review, transfer, etc.).
   When a workflow is selected, the task configuration items contained in the workflow are

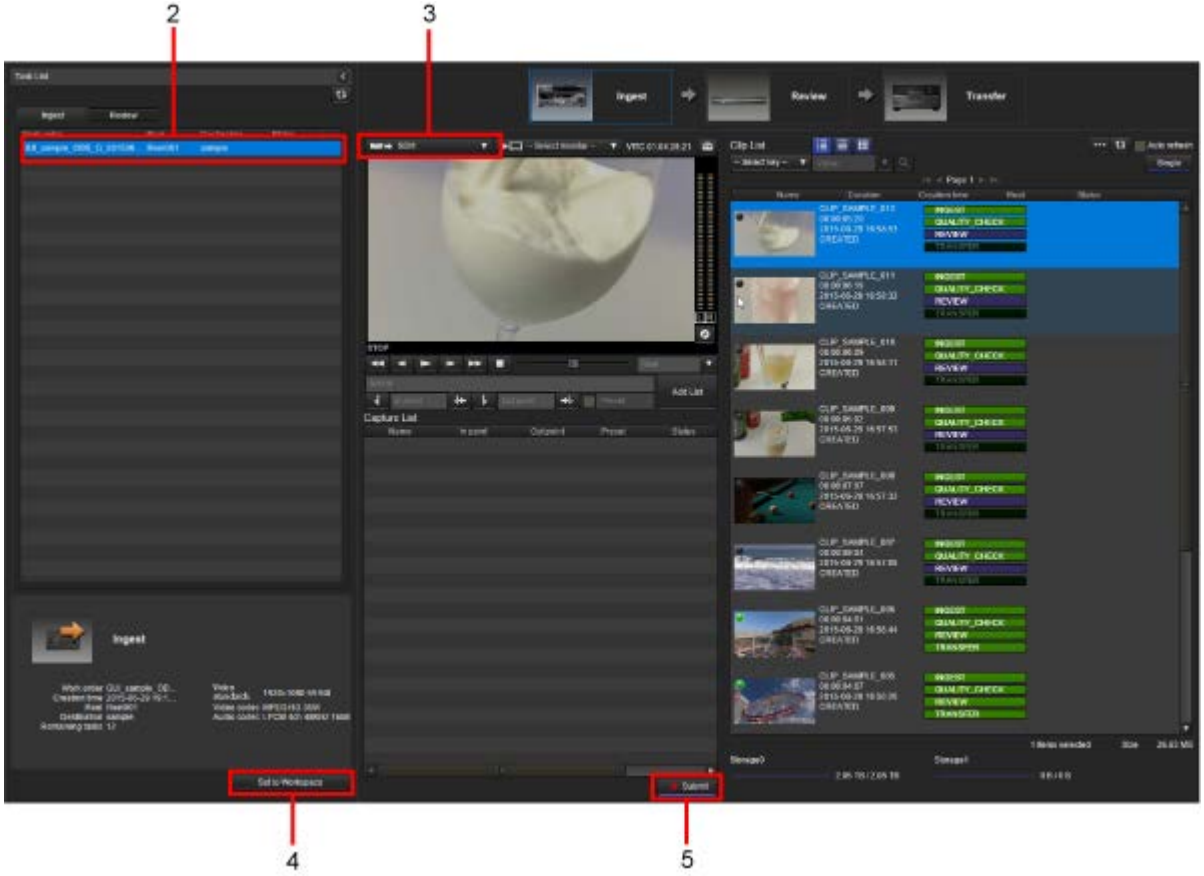
displayed on the screen.

5. Set the notification mail addresses to send mail when the workflow finishes in [Nofitication].
   Place a check mark in the checkboxes for users to whom you want to send mail in the list of user names with a mail address registered on the Settings screen.
6. Configure the settings of each task.
   The major configuration items for each task are listed below.
   INGEST: User, reel, In point/Out point, etc.
   QUALITY_CHECK: Profile
   REVIEW: User
   TRANSFER: Destination drive, cartridge
   DELETE: Set whether to retain properties and proxy image data.
7. Click the [Submit] button.
   The created work order is registered in the Workflow screen.

You can also define a work order in a CSV-format file or TXT file and import the file on the Workflow screen.

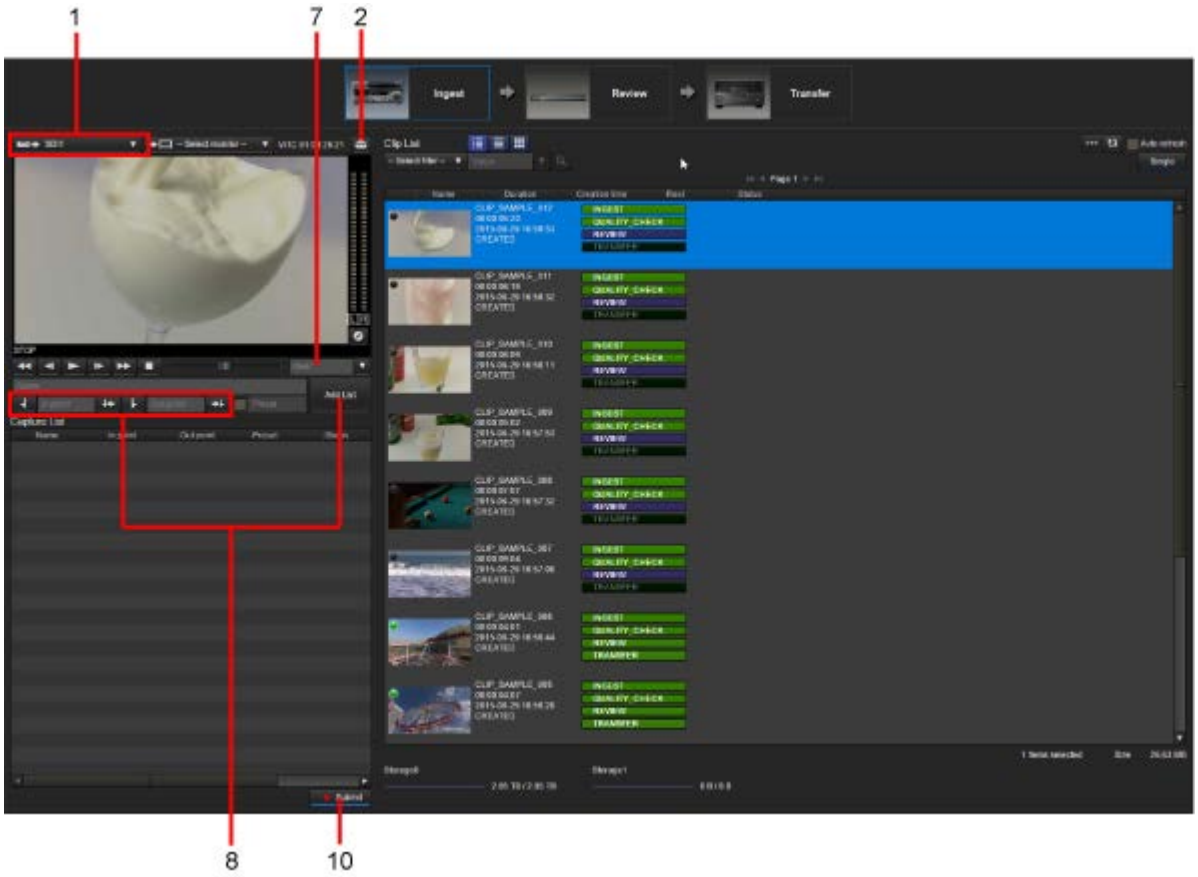
Ingesting

If a work order is registered

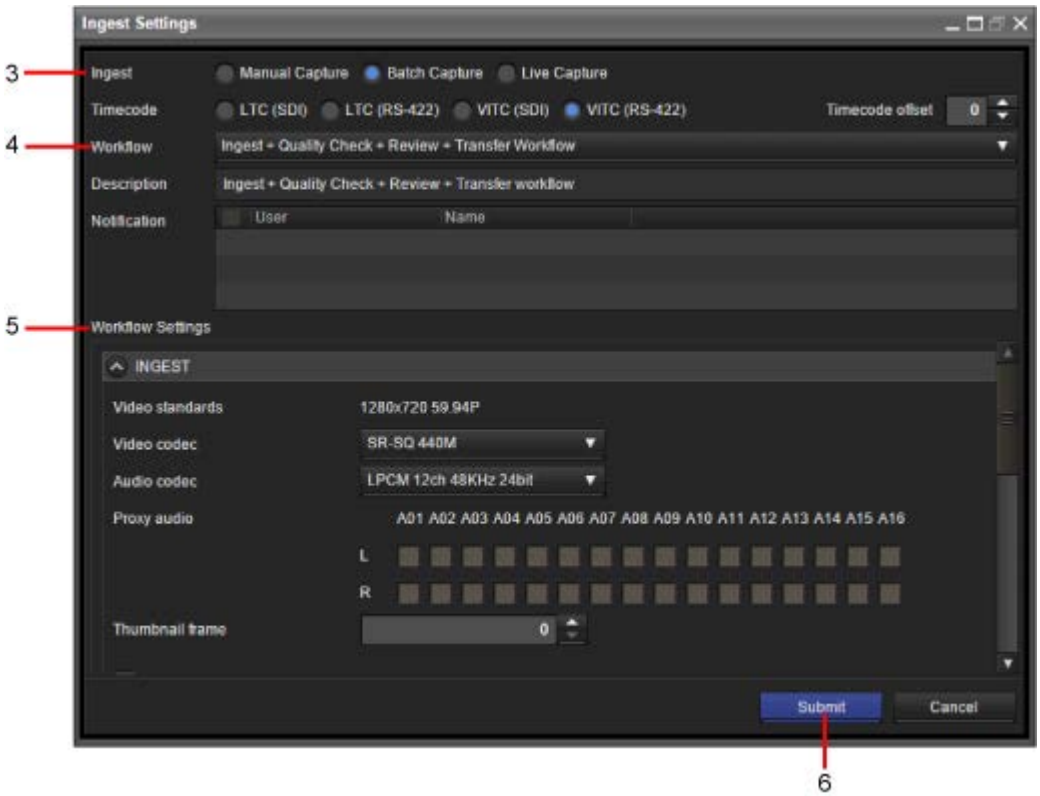


1. Insert tapes to be digitized into the VTRs.
2. Select the ingest task in the task list.
3. Select the VTR(s) with the inserted tape(s) in the Ingest pane.
4. Click the [Set to Workspace] button.
   The ingest settings registered in the work order are displayed in the Ingest pane.
5. Click the [Submit] button.
   Ingesting starts.
   The created clips are displayed in the Clip List as the ingest task progresses.

If a work order is not registered



1. Select the VTR(s) with the inserted tape(s) in the Ingest pane.
2. Click the (Ingest setting) button.
   The [Ingest Settings] dialog appears.

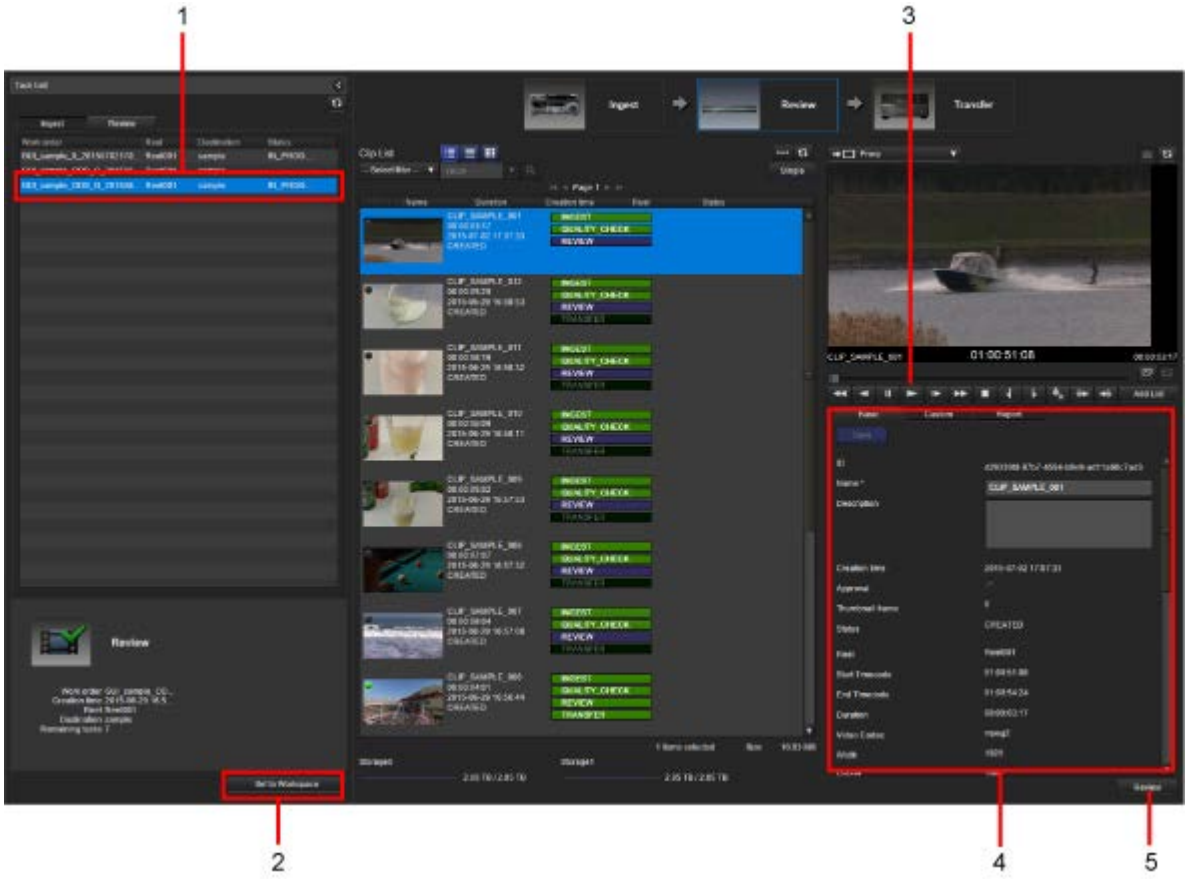


* PWS-100TD1 diagram shown.

3. Select [Manual Capture], [Batch Capture], or [Live Capture].
   The following steps describe the case when [Batch Capture] is selected.

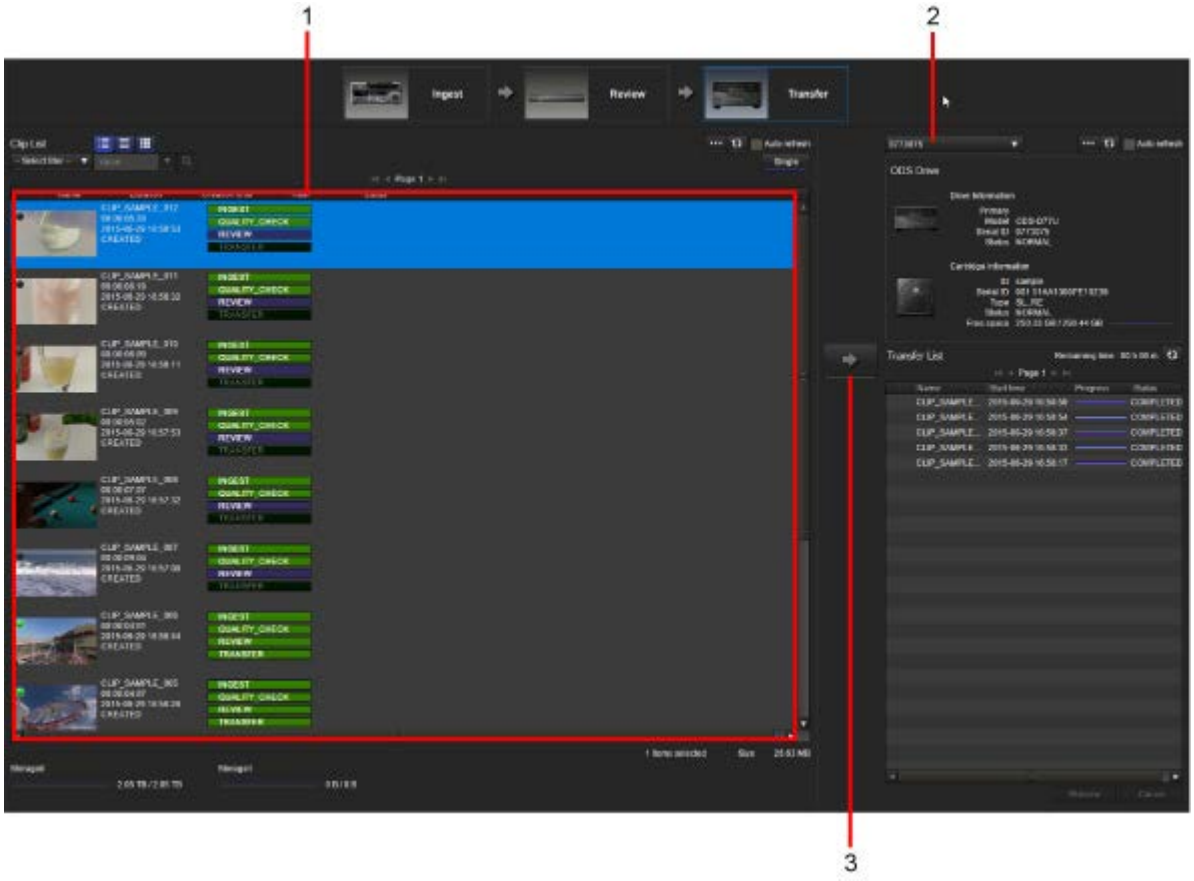
4. Select the workflow.
   Select the task to perform after ingest ends.
5. Configure the workflow settings.
   This sets the tasks to execute in the workflow selected in step 4.
6. Click the [Submit] button.
   The dialog closes.
7. Select or enter a reel.
8. Specify an In point and an Out point and click the [Add List] button.
   The In point and Out point are added to the Capture List.
9. Repeat step 8 to capture other locations on the tape.
10. Click the [Submit] button.
    The ingest task is registered and the ingest starts.
    The created clips are displayed in the Clip List as the ingest task progresses.

Reviewing Clips



1. Select the review task in the task list.
2. Click the [Set to Workspace] button.
   The clips for the selected task are displayed in the review pane.
3. Click the Play button in the review pane to start playback and check the clips.
4. To check locations where an error was detected during ingest or quality check, click the corresponding error in the list on the [Report] tab.
   The selected location is displayed.
5. After checking the clip, click the [Review] button.
   The [Review] dialog is displayed.
6. Select [OK] (pass) or [NG] (fail). Enter a comment, if required.
7. Click the [Submit] button.
   If a transfer task is configured after the review task in the workflow, clicking [OK] automatically starts the transfer task. If [NG] is selected, the workflow ends with an error.

Transferring Clips



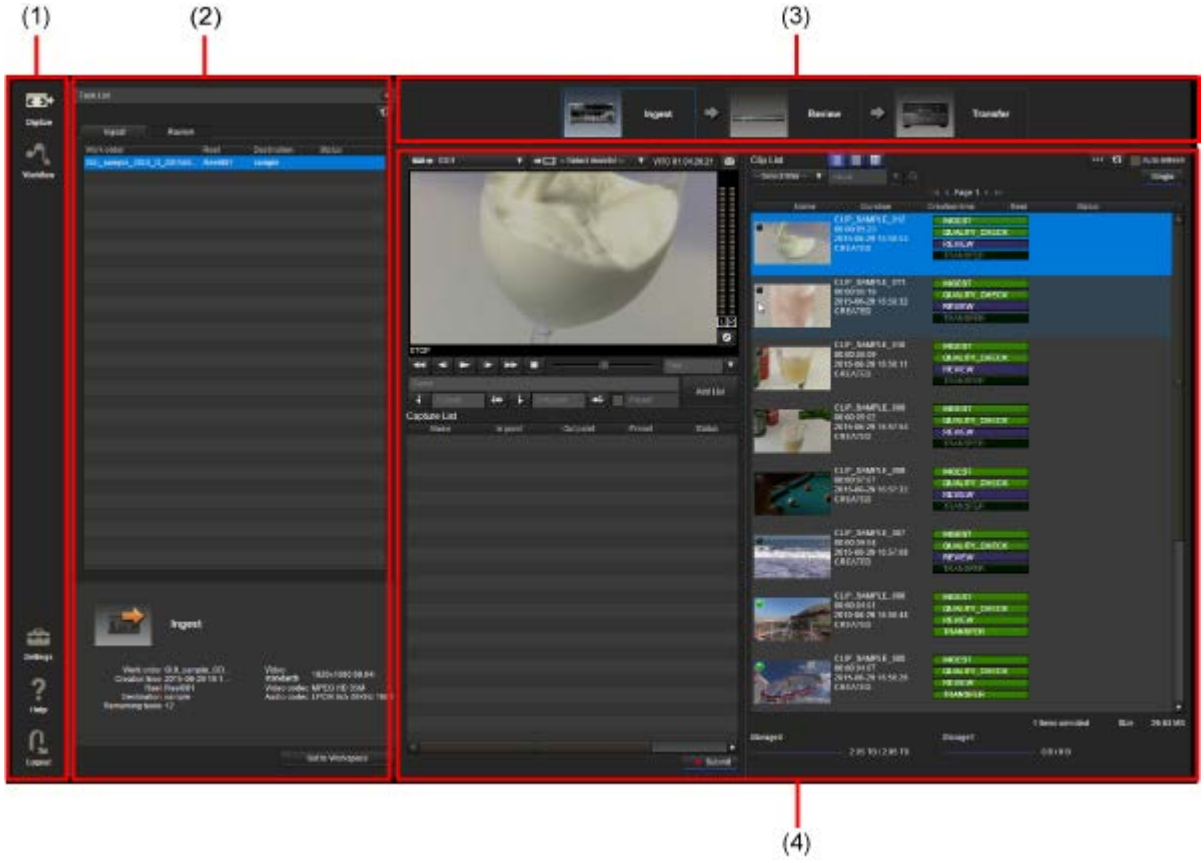
1. Select the clip you want to transfer in the Clip List.
   Selection of multiple clips is supported.
2. Select the transfer destination device in the Transfer pane.
3. Click the  (Submit) button.
   A confirmation dialog appears.
4. If the transfer destination is a network drive, select the type of files to transfer.
   If the transfer destination is an optical drive, select the type of files to transfer and whether to register in a CMS. If registering in a CMS, select the bin in which to register the files.
   If the transfer destination is an XDA, enter the XDA category.
5. Click [Yes].
   The clip transfer starts.

Operation Screen

This section describes the names of parts and functions of the system operation screen.

Overview of Operation Screen

The operation screen is comprised of the following parts.



(1) Global menu

Click the icons to move between screens.

- (Digitize): Displays the Digitize screen for controlling ingest, review, and transfer tasks.
- (Workflow): Displays the Workflow screen for creating a work order.
- (Settings): Displays the Settings screen.
- (Help): Displays the Help and version information.
- (Logout): Logs the user out.

(2) Task area

Displays a list of the tasks assigned to the logged-in user for selecting a task to execute. The task area can be shown/hidden by clicking the button.

(3) Workspace selection area

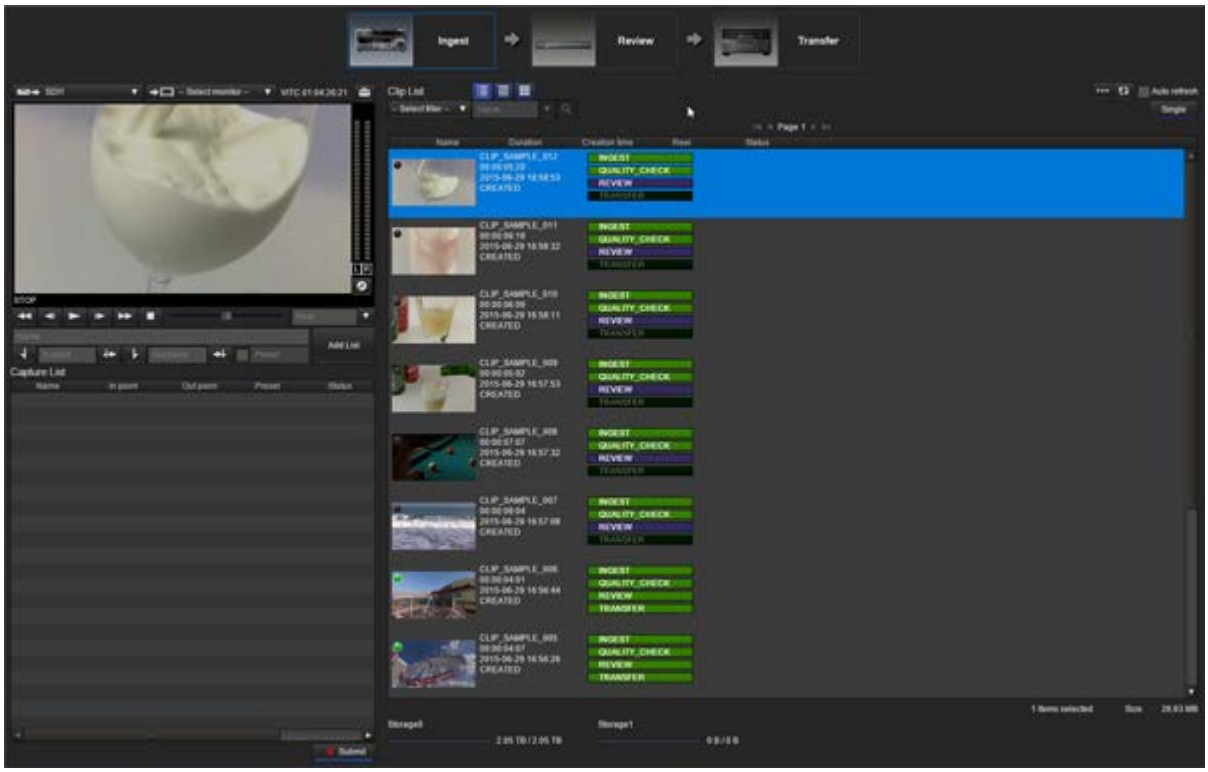
Selects an ingest, review, or transfer as the task to execute. The display of the workspace changes to match the selected task.

(4) Workspace

Controls the ingest, review, or transfer task. The pane displayed varies depending on the task selected in the workspace selection area.

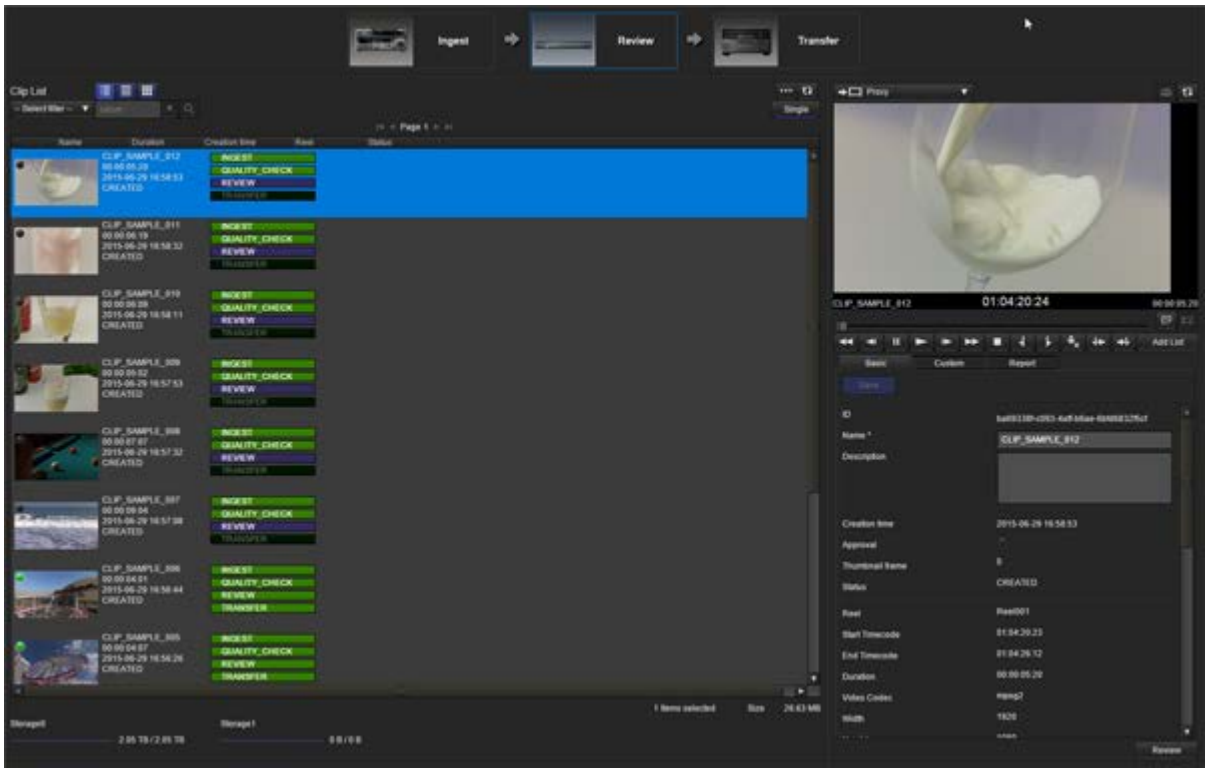
If [Ingest] is selected

The Ingest pane and Clip List are displayed.



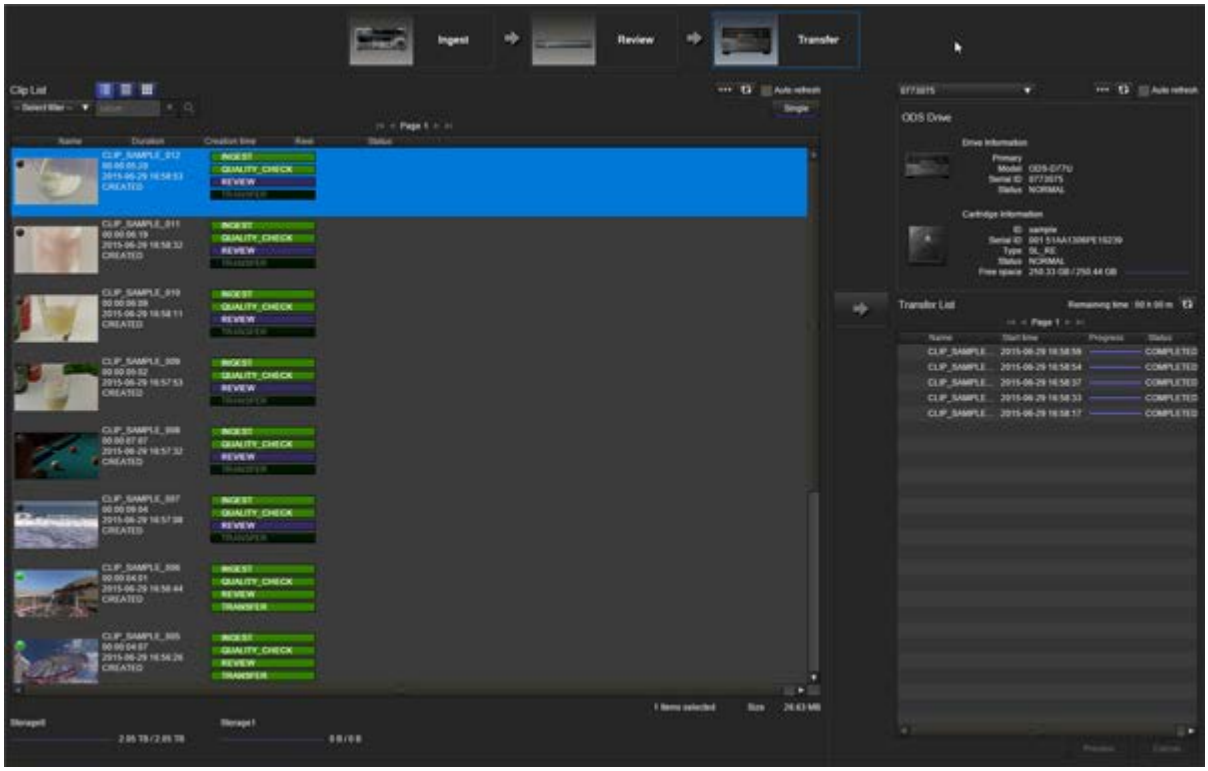
If [Review] is selected

The Clip List and Review pane are displayed.



If [Transfer] is selected

The Clip List and Transfer pane are displayed.



Task Area

Displays the list of tasks. Tasks can be assigned to an arbitrary user, but only tasks assigned to the logged-in user are displayed in the Task List.
Selecting a task in the Task List displays detailed information in the task information area at the bottom of the screen.

Task registration

There are two methods for registering a task.

Registration by a manager

A manager creates a work order on the Workflow screen and assigns an operator to execute tasks. Executing a work order creates tasks for each item in the work order and adds the tasks to the Task List.
When an operator displays the Task List, the tasks assigned to the user are displayed. The operator selects the task to perform and clicks the [Set to Workspace] button. The required parameters are then copied to the workspace to make the task executable.

Automatic registration when executing tasks in the workspace

Initiating an ingest or transfer action in the workspace automatically registers the action as a task.

Task status

The status in the Task List changes as follows according to the execution status. When task execution terminates successfully, the task is removed from the Task List.

Status	Status indicator
Before execution (not yet ready to execute)	(Nothing is displayed)
Before execution (ready to execute)	(Nothing is displayed)
Executing	IN_PROGRESS
Aborted with an error	ERROR
Completed successfully	Task is removed.

Screen structure

(1) Task List

Displays the ingest tasks and review tasks.

[Ingest] tab / [Review] tab

Selects the type of tasks to display.

The following items are displayed in the Task List.

- Work Order: Name of the work order.
- Reel: Reel ID. The reel ID can be specified when creating a work order or be specified by the user when starting the ingest.
- Destination: Destination cartridge ID for the clip.
- Status: Task status
  - (Blank): Before execution
  - IN_PROGRESS: Executing
  - ERROR: Terminated unsuccessfully
  - CANCELLED: Cancelled (can be resubmitted)

Clicking the work order or status column headers sorts the list according to the selected header.

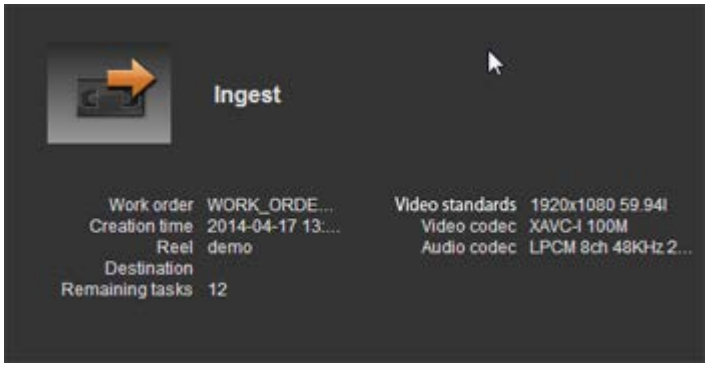
 **(Refresh) button**

Clicking this button manually updates the Task List with the current status.

(2) Task information area

Displays detailed information about tasks.

For ingest tasks



The following information is displayed.

- Work Order: Name of the work order.
- Creation time: Date and time the work order was created
- Reel: Reel ID. The reel ID can be specified when creating a work order or be specified by the user when starting the ingest.
- Destination
- Remaining tasks: Displays the remaining number of tasks to be executed (including tasks whose execution is in progress).
- Video standards
- Video codec: Video format
- Audio codec: Audio format

For review tasks

The following information is displayed.

- Work Order: Name of the work order.
- Creation time: Date and time the work order was created
- Reel: Reel ID. The reel ID can be specified when creating a work order or be specified by the user when starting the ingest.
- Remaining tasks: Displays the remaining number of tasks to be executed (including tasks whose execution is in progress).

(3) [Set to Workspace] button

When executing a task, the configured values are set in the workspace. Clicking this button changes the display of the workspace according to the task type.

Clip List

The Clip List displays all the common tasks (ingest, review, transfer, etc.) for each clip in the workspace.

The ingesting clips and ingested clips are displayed in the Clip List. When reviewing or transferring clips, you select the clips to work with in the Clip List.

The Clip List can be displayed in three different views, using the view selection buttons.

Thumbnail information view

Displays the clip thumbnails and detailed information alongside each other.

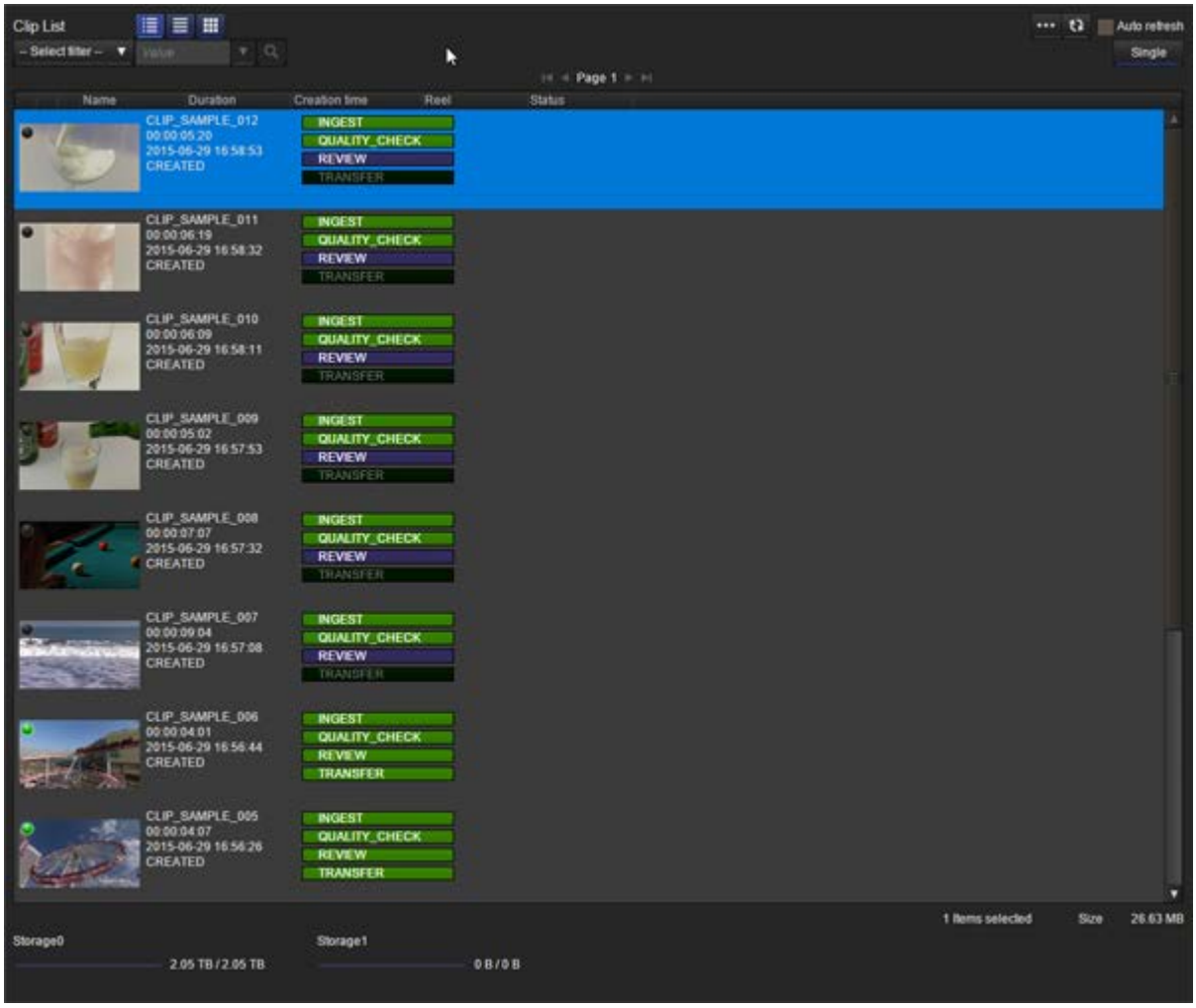
List view

Displays clip information as a list.

Thumbnail view

Displays thumbnails arranged in tiles.

Screen structure



(Search filter)

Filtering the Clip List display allows you to display only those clips matching the search criteria.

Select the search filter key and a value in the corresponding list boxes.

[Multiple] / [Single] button

Selects the clip selection method. When [Multiple] is displayed, you can select multiple clips simultaneously. When [Single] is displayed, you can only select one clip at a time.

Drop-down menu

Clicking  displays a drop-down menu. The drop-down menu contains the following menu items.

- Add Property: Displays the [Custom] tab of a dialog for adding a property.
- Copy (subclip): Copies the portion of the selected clip with contiguous timecode and creates a subclip. Selecting this menu item displays information about the created subclip in a dialog.
- Review: Selects review mode (OK/NG, comment entry) for the selected clip. You can select multiple clips and evaluate the clips as a group.
- Register: Registers the selected clip and proxy, together with metadata, in a CMS. Executing this command displays a dialog where you can select the register destination CMS bin. To register a clip, proxy, and metadata, select [Online] in the dialog. To register the proxy and metdata only, select [Offline].
- Delete: Deletes the selected clip.
  For clips that have been transferred to cartridges, you can set an option to delete the high-resolution video only. In this case, the clip properties and proxy video are not deleted and remain in the system. If a clip has not been transferred to cartridge or has been transferred to a network drive, all data is deleted. Even when the clip properties and proxy data remain, the clip is not displayed in the Clip List.
  The remaining clip properties and proxy data for clips transferred to cartridges can be exported using the [Transfer] pane of the Settings screen. You can manage clip information by importing the exported data into Content Manager or other applications.

[Auto refresh] checkbox

Place a check mark in the checkbox to update the Clip List automatically. Note that when Review is selected, the checkbox is not displayed and the list is not updated automatically.

Clip List

Thumbnail

A review results marker () and error information marker () are displayed on the top left of the thumbnail. The review results marker indicates the results of the review using color. The error information marker indicates if an error occurred during ingest or quality check tasks. In list view, the markers are displayed at the front of the list.

If full-resolution playback is not available, a marker () indicating full-resolution playback unavailable is displayed on the top right of the thumbnail.

Review results marker

After review, the results specified in the [Review] dialog are indicated by the marker color.

- Gray: Not yet reviewed.
- Green: Review pass result (OK)

- Red: Review fail result (NG)

Error information marker

Indicates whether an error occurred during ingest and quality check tasks.

- Marker displayed: An error occurred.
- Blank: No errors occurred.

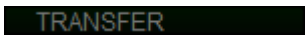
Full-resolution playback unavailable marker

Indicates that playback at full resolution is not available.

- Marker displayed: Playback is not available. Selecting an SDI monitor ([Full Res] selected in “4 Input” mode) and attempting to start playback in the video monitor area of the Review pane will generate an error.
- No marker: Playback is available.

Task status icons

When the Clip List is displayed in thumbnail information view, the execution status is displayed for each task (ingest, quality check, review, transfer, register, delete, copy). The execution status is indicated by the color of the icon.

- 

(Black): The task has not been executed yet or was canceled.
- 

(Blue): Task execution is in progress. The progress status is displayed in the bar.
- 

(Green): The task was completed successfully.
- 

(Red): The task terminated unsuccessfully.

Storage free space indicator

Displays the available free capacity and the total storage capacity for storing clips.

Ingest Pane

The Ingest pane is used to set an In point and Out point, while monitoring the VTR output, and to ingest the video material.
There are three modes available for ingesting (manual capture, batch capture, and live capture).
You can switch mode using the (Ingest Settings) button.

Manual capture mode

In this mode, you display the VTR video on the screen and click the Record/Stop buttons during playback to ingest material.

1. Display the material you want to ingest.
2. Cue-up the point you want to start ingesting, then click the Record button.
   Ingesting starts.
3. When the ingest end point is reached, click the Stop button.
   You can specify an In point and Out point using the and buttons, respectively.

Batch capture mode

Specify multiple ingest control points beforehand, and ingest all regions in a single operation.

1. Display the material you want to ingest.
2. Specify an In point and Out point using the and buttons, respectively. You can also enter a name for ingested clips.
3. Click the [Add List] button to add the specified region to the Capture List.
4. Repeat the procedure for each region of material you want to ingest.
5. Click the [Submit] button to start capturing data.

Live capture mode

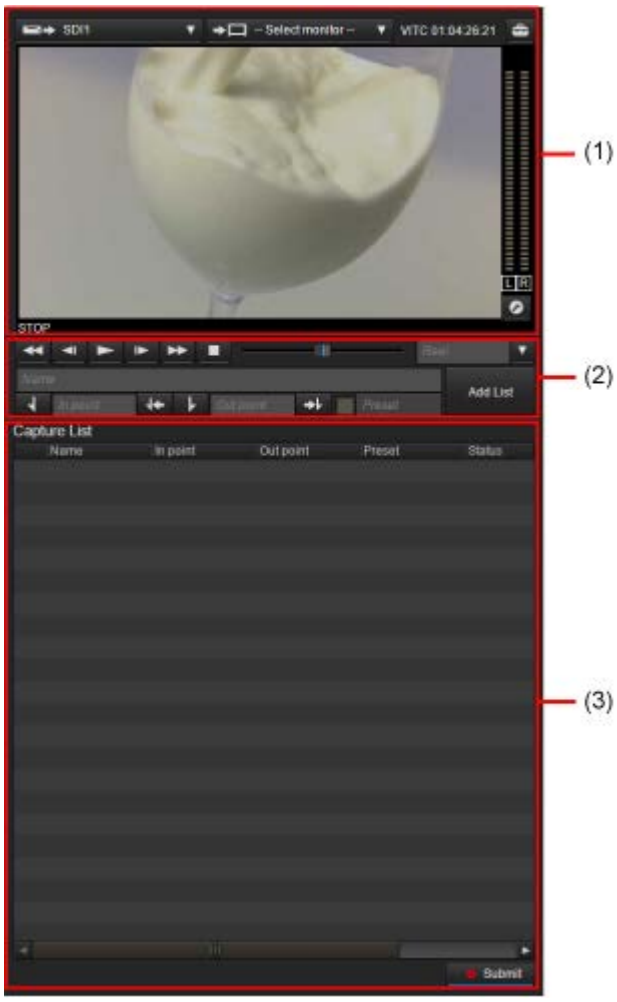
In this mode, you display the VTR video on the screen and ingest while playing the tape on the VTR, without using RS-422 9-pin protocol commands.

1. Display the material you want to ingest.
2. Start playback from the position you want to ingest using the VTR controls.
3. Click the Record button.
   Ingesting starts.
4. When the ingest end point is reached, click the Stop button.
5. Stop playback using the VTR controls.

Note

When monitoring the imported video from the VTR, a delay may occur. To set an In point and Out point while monitoring the VTR video, use an external monitor.

Screen structure



(1) Video monitor area

VTR drop-down list

Selects the VTR from which to ingest.

External monitor drop-down list

Selects an external monitor to use to monitor when monitoring the VTR input signal.

Timecode display

Displays the timecode type (VITC/LTC) and the timecode for the VTR material.

(Ingest Settings) button

Displays the [Ingest Settings] dialog for configuring ingest tasks.

Video monitor

Displays the VTR playback image.

The VTR operation status is displayed immediately below the playback image. During ingest, the ingest progress status is also displayed.

If a “!” mark is displayed in front of the VTR operation status, the system is not locked to the reference signal specified under [Reference Settings] on the [Ingest] page of the Settings screen. Check the reference signal to make sure the ! mark is not displayed.

Audio level meter

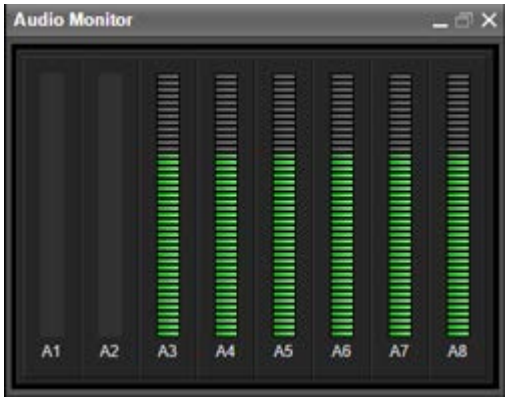
Displays the audio level of the left and right channels during output.

(Audio Level Meter) button

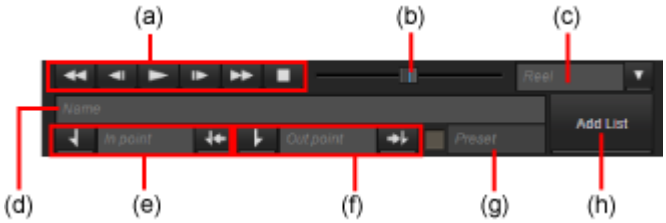
Displays the audio level of all channels in a dialog.

If the input audio is determined to be Non Audio, the corresponding channel is displayed disabled

(like channel A1 and A2 below).



(2) Control panel



(a) Control buttons

Controls VTR playback, stop, fast forward, rewind, and frame advance functions.

(b) Speed adjustment bar

Dragging the knob adjusts the fast forward/rewind speed.

(c) Reel

Enter the reel ID of the VTR. Ingested clips are stored in a folder with the same name as the reel ID.

(d) Name

Specifies the name of clips created as material is ingested.

(e) In point

Clicking  sets the In point to the currently displayed timecode. You can also enter a timecode value directly. Clicking  moves the video to the In point position.

Drop frame (DF) timecode and non-drop frame timecode (NDF) switch automatically according to the timecode setting for the In and Out points.

HH:MM:SS.ff (period between SS and ff)	Drop frame
HH:MM:SS:ff (colon between SS and ff)	Non-drop frame

(f) Out point

Clicking  sets the Out point to the currently displayed timecode. You can also enter a timecode value directly. Clicking  moves the video to the Out point position.

(g) Preset timecode

Placing a check mark in the checkbox and entering a timecode allows you to reassign the timecode of the created MXF file. Placing a check mark in the checkbox and leaving the timecode blank will start counting automatically from the In point timecode. If the timecode is reassigned, the original timecode is recorded in the UB area of the clip.

(h) Record/Stop button (manual/live capture mode)

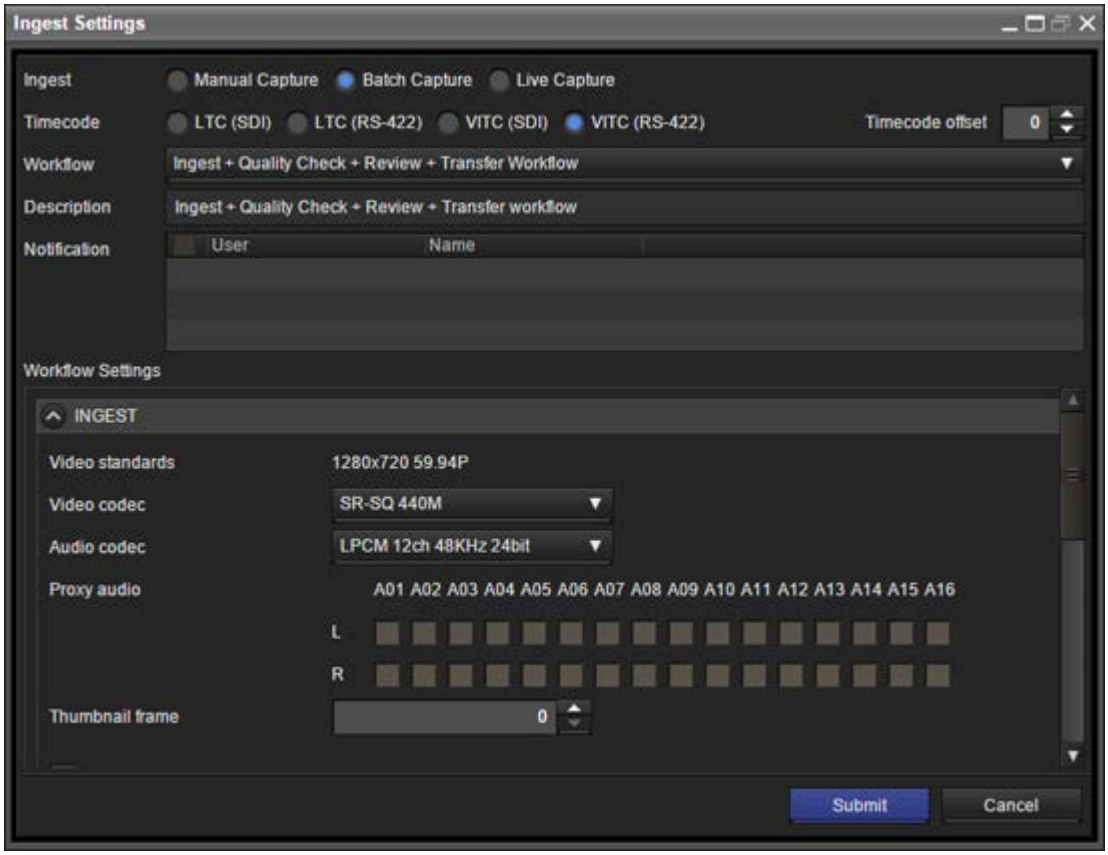
Starts and stops ingesting.

(h) [Add List] button (batch capture mode)
Adds the ingest settings (name, In and Out points) to the Capture List.

(3) Capture List

Displays the list of regions to ingest when using batch capture mode. In manual capture mode, only the ingest status is displayed.
The clip name, In point, Out point, preset, status, and creation date and time are displayed in the list. Clicking the creation date and status column headers sorts the list according to the selected header.
You can delete an ingest setting before starting ingesting by selecting the setting in the list and clicking the [X] button.
[Submit] button (batch capture mode)
Starts ingest batch processing. During operation, the button changes to a [Stop] button.

[Ingest Settings] Dialog



* PWS-100TD1 diagram shown.

Ingest

Selects manual capture mode, batch capture mode, or live capture mode.

Timecode

Selects the timecode type to use when ingesting.

- LTC (SDI): Uses LTC timecode embedded in an SDI signal.
- LTC (RS-422): Uses LTC timecode obtained by RS-422 9-pin protocol command.
- VITC (SDI): Uses VITC timecode embedded in an SDI signal.
- VITC (RS-422): Uses VITC timecode obtained by RS-422 9-pin protocol command.

Note

For 50P/59.94P, selecting “LTC (RS-422)” or “VITC (RS-422)” operates using “LTC (SDI)” or “VITC (SDI),” respectively.
For SStP DBL, operates using “VITC (SDI),” regardless of the setting.

Timecode offset

You can specify an offset when [LTC (RS-422)] or [VITC (RS-422)] is selected in [Timecode]. This allows you to correct for the number of frames offset between video and audio timecodes when the video from the VTR is passed through an up-converter or down-converter.

Workflow

Select the workflow to use from the list box.

Description
Displays a description of the selected workflow.
Notification
Selects the notification mail addresses to send mail when the workflow finishes.
The users with a mail address registered in the Settings screen are displayed in list view. Place a check mark in the checkboxes for the users to whom you want to send mail.

Workflow Settings

Configures the settings for each task in the workflow. The content displayed varies depending on the selected workflow.

INGEST

Video standards
Selects the video standard for the system.
Video codec
Selects the video codec. The codecs available for selection varies depending on the video standard and video codec specified on the Ingest page.
Audio codec
Selects/displays the audio codec. The codecs available for selection varies depending on the specified video standard and video codec.
For details about the supported combinations of video standard, video codec, and audio codec, see Ingest Page.
Proxy audio
Specifies the channels used for the audio in proxy clips created during ingesting. You can select a combination of left and right audio for multiple channels. The specifications for channels not recorded in MXF files and channels deemed to be Non Audio are ignored.
Thumbnail frame
Specifies the frame number, counting from the start of the clip, of the frame to use as the thumbnail frame.
Freeze Frame
Placing a check mark in [Stop the ingest if the specified number of freeze frames occurs] will stop the ingest automatically if the specified number of contiguous freeze frames occurs (timecode FREEZE).

QUALITY_CHECK

Profile
Selects the profile used for the quality check. Profiles are registered on the [Quality Check] page of the Settings screen.
Placing a check mark in the checkbox will stop the workflow if an error is detected during the quality check.

REVIEW

User
Specifies the user assigned to review clips. If the user has a mail address registered, placing a

check mark in the [Enable notification] checkbox will send notification mail when the content becomes reviewable.

TRANSFER

Device

Selects the transfer destination device. The names of the network drives, optical disc drives, and XDAs available for selection are configured on the [Transfer] page of the Settings screen.
If the selected workflow includes [REGISTER], only an optical disc drive can be selected.
If optical discs are grouped, only the primary drive is displayed.

Destination

If a network drive is selected as the device, the destination path is displayed.
If an optical disc drive is selected as the device, this selects the name of the destination cartridge. The names of cartridges available for selection are configured on the [Transfer] page of the Settings screen.
If XDA is selected as the device, enter the XDA category.

Clip

Selects the type of files to transfer (full resolution, proxy, thumbnail, report, XML, MD5).

REGISTER

Name

Selects the name of a CMS in which to register clips and metadata.

Bin

Click the [Browse] button and select a register destination folder.

DELETE

Placing a check mark in the checkbox will not delete the clip properties and proxy video data.
If this option is not selected or clips have not been transferred to cartridges, all data will be deleted.

Review Pane

The Review pane is used to display and check clips created during ingesting. File information, user metadata, errors detected during ingesting and quality check, and other parameters are displayed in lists on separate tabs. If a problem is found during review, you can add and save a comment to the corresponding location.

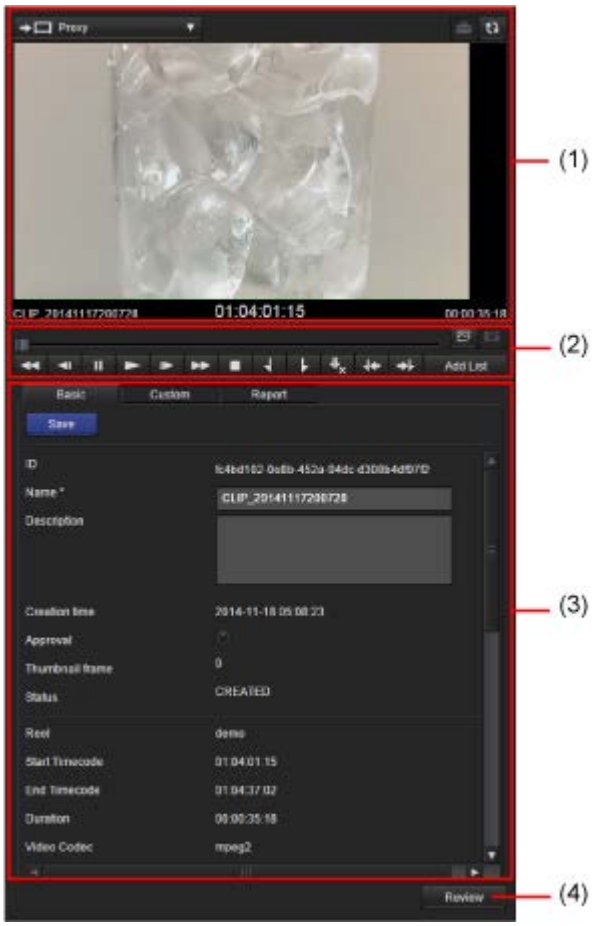
If “Proxy” is selected in the resolution drop-down list, the proxy video is displayed in the review pane with the audio mix created when the clip was ingested. If the name of a monitor[1)] is selected in the resolution drop-down list, the high-resolution video can be monitored on an external monitor.

1) You specify names on the [Ingest] page of the Settings screen. The default is SDI1 to 4. When the SDI setting is set to “4 Input”, the default is “Full Res.”

The following procedure describes the flow when reviewing a clip.

1. Click the item you want to check on the [Report] tab.
   The corresponding position is displayed in the monitor.
2. After checking the clip, click the [Review] button.
   The [Review] dialog appears.
3. Select [OK] (pass) or [NG] (fail), and enter any comment as required.
4. Click the [Submit] button.
5. To add a comment, specify and In point and Out point for the corresponding region.
6. Click the [Add List] button, and enter the comment in the dialog.

Screen structure



(1) Video monitor area

Resolution drop-down list

Selects the playback resolution and output monitor.

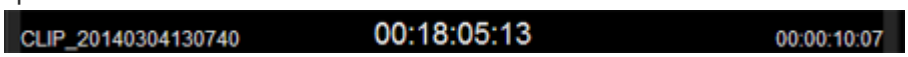
- Proxy: Displays a proxy video in the Review pane only.
- SDI3 to 4: Selects the external monitor connected to the corresponding SDI connector for display of high-resolution video. The number of external monitors available for selection varies depending on the [SDI Setting] on the [Ingest] page of the Settings screen. You can also configure the names displayed in the drop-down list in [SDI Settings] on the [Ingest] page. When [SDI Setting] is set to “4 Input,” this is not displayed.
- Full Res: Displayed when [SDI Setting] is set to “4 Input.” The high-resolution images are displayed in the video monitor area.

Note

When “Full Res” is selected, SDI4 resources are used in order to display the high-resoluction images. Accordingly, playback is not possible when ingesting using SDI4.
Since SDI4 resources are shared, various settings, such as audio monitor settings, may be overidden by the Ingest settings.

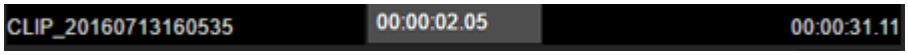
(Refresh) button

Updates the screen with the current status.



The clip name, current timecode, and duration are displayed during playback.

Clicking the timecode makes the timecode editable (below), and you can enter a timecode to jump to that position.

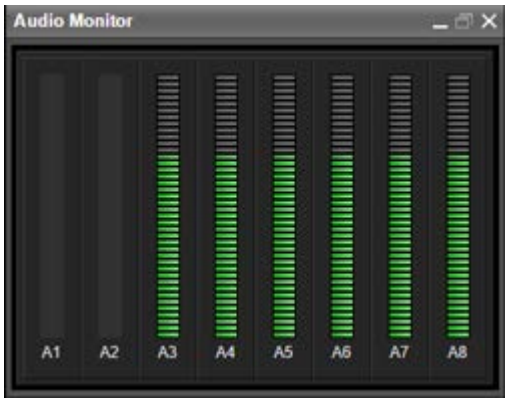


Audio level meter

Displays the audio level of the playback file.

Audio monitor button

When playing high-resolution video, this displays the audio level of all channels. When playing proxy video, the button is not displayed and the audio mix created during ingesting is played.
If the playback audio is determined to be Non Audio, the corresponding channel is displayed disabled (like channel A1 and A2 below).



(2) Control panel

Seek bar

Moves the playback position. You can click at the desired position or drag the cursor to the desired position.

 **(Thumbnail setting) button**

Sets the currently displayed frame as the clip thumbnail.

 **(Copy (subclip)) button**

Copies the region between the specified In point and Out point, and creates a subclip.

Controls file playback, stop, fast forward, rewind, and frame advance functions.

Sets an In point and Out point, respectively, at the current playback position.

Deletes the specified In point and Out point from the seek bar.

Moves to the In point and Out point, respectively.

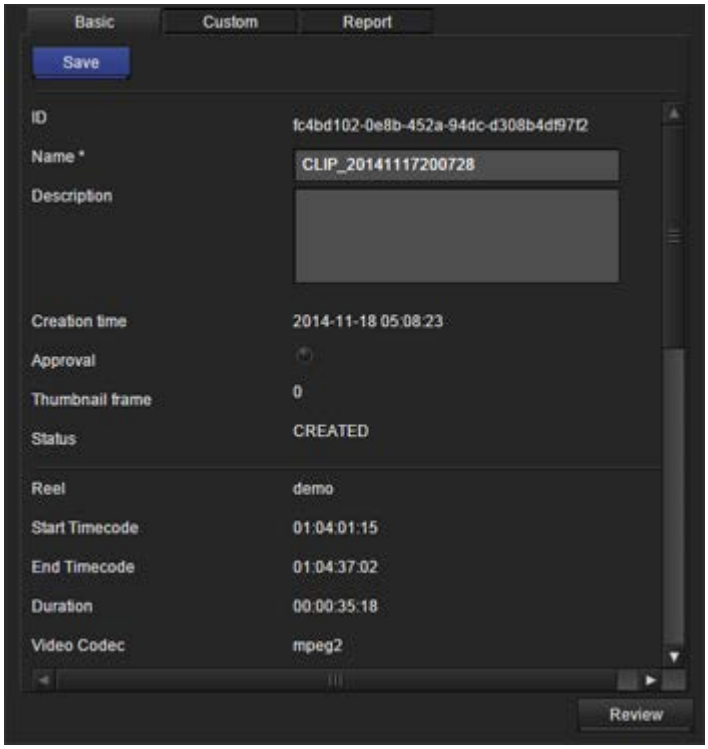
[Add List] button

Adds the specified In point and Out point to the list on the Report tab. A dialog for entering a title, timecode, duration, and comment appears.

(3) Clip information area

[Basic] tab

Displays a list of information for the selected clip. You can rename the clip and edit the description from this tab. After renaming the clip, click the [Save] button.



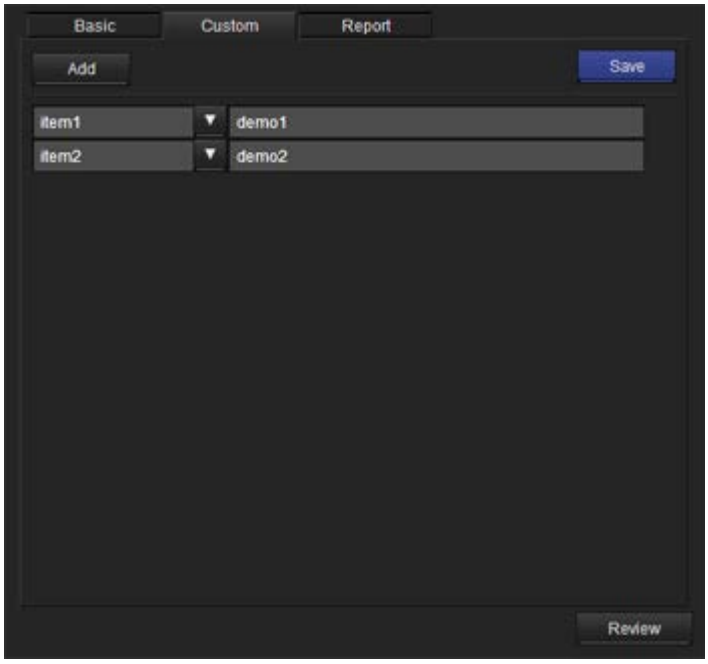
The following information is displayed.

- ID: Clip ID
- Name: Name of clip
- Description: Description of clip
- Creation time: Creation date and time
- Approval: Review result
- Thumbnail frame: The frame number, counting from the start of the clip, of the frame used as the thumbnail.
- Status: Clip status
- Reel: Reel ID specified when ingesting
- Start timecode
- End timecode
- Duration
- Original start timecode
- Original end timecode
- Video codec
- Width: Horizontal size of the video image
- Height: Vertical size of the video image
- Video bit rate
- Video frame rate
- Scan type

- Video sample format
- Video color space
- Video bit depth
- Audio codec
- Audio quantization bit rate
- Number of audio channels
- Audio sampling rate
- Type: Type of high-resolution video file (file name extension)
- Size
- MD5: MD5 hash value of Full-Res file
- Proxy Left Audio: Proxy file left-channel audio for the selected high-resolution file
- Proxy Right Audio: Proxy file right-channel audio for the selected high-resolution file
- Proxy Size: Proxy file size
- Ingest status: Ingest result
- Ingest stop freeze frame: Displayed only for clips ingested with ingest auto stop enabled.
- Quality check status: Quality check result
- Quality check profile ID: Profile name used in quality check
- Quality check stop flag: Sets whether to stop a workflow if an error is detected during quality check.
- Local storage: Name of local storage where clips are written.

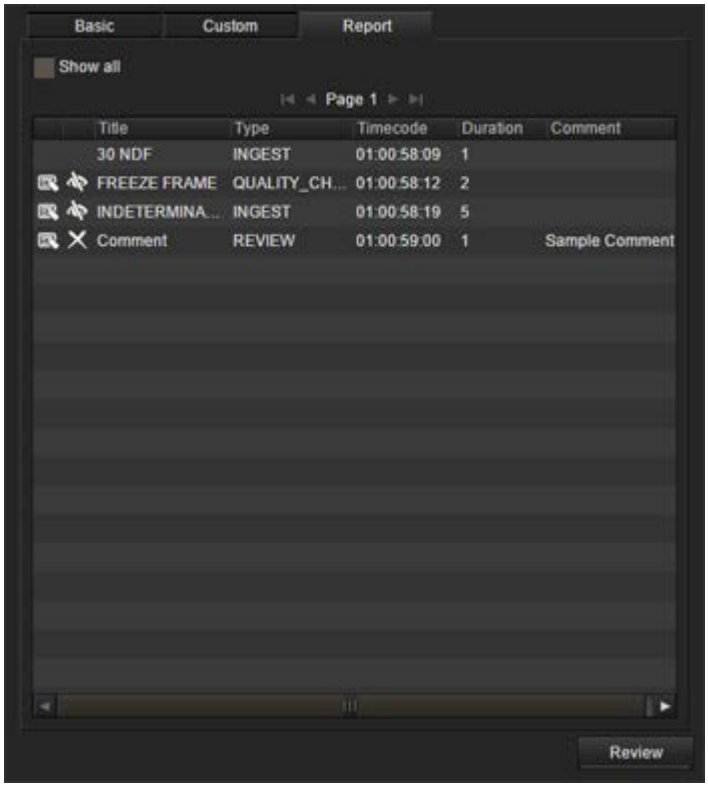
[Custom] tab

Displays user-defined properties added to the clip. The properties can be configured from the drop-down menu in the Clip List. You can also edit/add data from this tab.



[Report] tab

Displays ingest and quality check reports (error and ingest information), and user-entered reports when reviewing clips.



The following information is displayed.

- Title: Report title
- Type: Task process where the report was generated
  - INGEST: Report generated when ingesting
  - QUALITY_CHECK: Report generated during quality check after ingesting
  - REVIEW: Report entered when reviewing clips
- Timecode: Start timecode of the position corresponding to the report
- Duration: Length of clip corresponding to the report
- Comment: User-entered comment

The following icons are displayed in the report list.

- (Delete): Delete the corresponding report. Only REVIEW type reports are displayed.
- (Hide): Hide the corresponding report. Placing a check mark in [Show All] displays all hidden rows.
- (Show): Show the corresponding hidden report, revealed by placing a check mark in [Show All], normally.
- (Edit): Displays a dialog for editing the report. Only comments can be edited for INGEST and QUALITY_CHECK type reports. All items, other than the name, can be edited for REVIEW type reports.

[Show All] checkbox
Placing a check mark in the checkbox displays all reports, including hidden reports.

(4) [Review] button

Displays a dialog for entering the results after reviewing. Select [OK] (pass) or [NG] (fail), and enter any comment as required.
Setting the review result will display the review results marker on the thumbnail frame in the Clip List.

Reports displayed for each task

The following types of reports are output for ingest and quality check tasks.
INGEST reports

Title	Description
RED	The channel condition is red for DVCAM VTRs (DSR-2000, DSR-1800).
YELLOW	The channel condition is yellow for DVCAM VTRs (DSR-2000, DSR-1800).
INDETERMINABLE	The RS422 Protocol AUDIO/VIDEO DATA ERROR LEVEL is Indeterminable (Level 2).
DOUBTFUL	The Protocol AUDIO/VIDEO DATA ERROR LEVEL is Doubtful (Level 3).
NO GOOD	The RS422 Protocol AUDIO/VIDEO DATA ERROR LEVEL is No Good (Level 4).
UNLOCK	Loss of sync (Lost Lock) was detected in RS422 Protocol VTR Status monitoring.
BREAK	The timecode is not continuous from the previous frame.
FREEZE	The timecode was the same as the previous frame.
INVALID	The timecode could not be imported successfully.
DF_MISMATCH	The timecode DF/NDF information imported from the SDI connector or remote connector does not match the system DF/NDF setting.

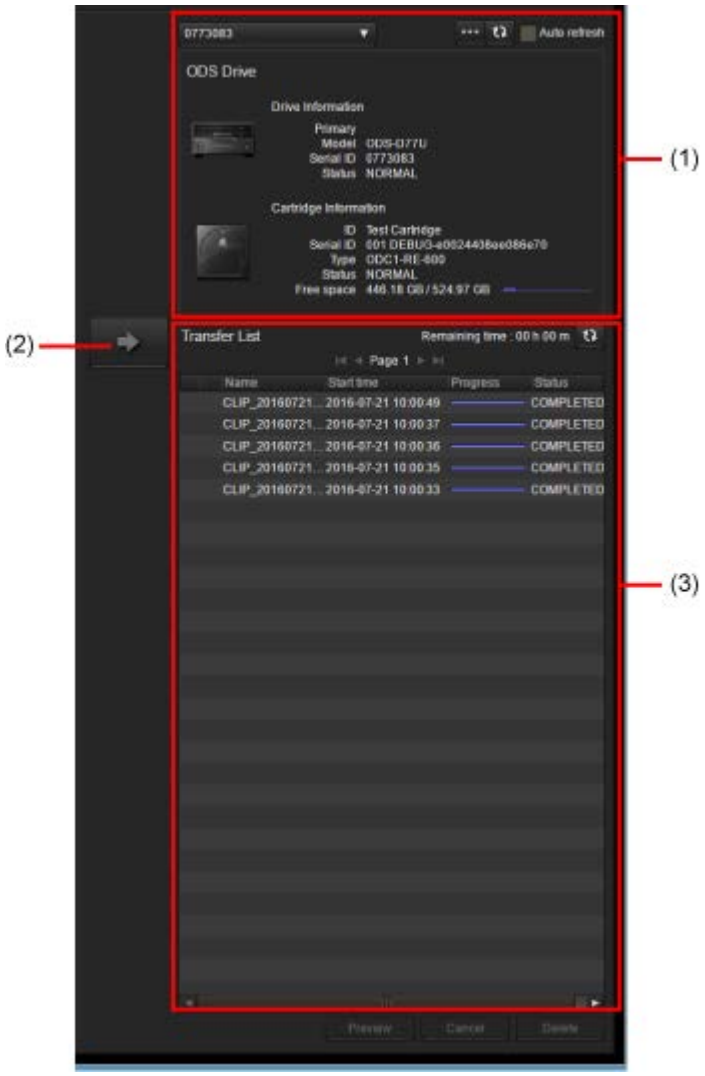
QUALITY_CHECK reports
The items checked during a quality check are described on the [Quality Check] page of the Settings screen.

Title	Description
Black frame detection	Detects consecutive black frames which exceed the number of frames specified in the profile.
White frame detection	Detects consecutive white frames which exceed the number of frames specified in the profile.
Y high level detection	Detects consecutive frames which exceed the number of frames with luminance level higher than the threshold specified in the profile.
Y low level detection	Detects consecutive frames which exceed the number of frames with luminance level lower than the threshold specified in the profile.
C high level	Detects consecutive frames which exceed the number of frames with

detection	chrominance level higher than the threshold specified in the profile.
C low level detection	Detects consecutive frames which exceed the number of frames with chrominance level lower than the threshold specified in the profile.
Freeze frame detection	Detects consecutive frames which exceed the number of frames with degree of similarity higher than the threshold specified in the profile.
Muting detection	Detects consecutive frames which exceed the number of frames with audio level lower than the threshold specified in the profile.
Test tone detection	Detects consecutive frames which exceed the number of frames with frequency and test tone signal specified in the profile.
Loudness detection	Detects consecutive frames which exceed the number of frames with audio level higher than the threshold specified in the profile.

Transfer Pane

The Transfer pane is used to transfer the clip selected in the Clip List to a cartridge or external storage. It also displays the transfer status in a list.



(1) Transfer destination information area

You select the transfer destination in a drop-down list. Detailed information for the selected transfer destination is displayed.

Transfer destination drop-down list

Selects the transfer destination device. The network drives, optical disc drives, and XDAs available for selection are configured on the [Transfer] page of the Settings screen. Transfers cannot be executed if an optical disc drive configured as the secondary drive of a drive group is selected.

Drop-down menu

Clicking  displays a drop-down menu. The drop-down menu contains the following menu items. This is available for selection only when an optical disc drive is selected in the transfer destination drop-down list.

Eject: Ejects the selected cartridge.

- Finalize: Finalizes the selected cartridge.
- Cancel: Cancels reserved eject and finalize jobs.

If “Eject” or “Finalize” is selected for a transfer task that is currently in progress or pending, the eject job or finalize job is reserved and then executed after all transfer tasks have completed.

 **(Refresh) button**

Updates the screen with the current status.

[Auto refresh] checkbox

Place a check mark in the checkbox to update the screen automatically.

Transfer destination device information

Displays detailed information, such as the available free capacity, about the transfer destination device.

If an optical disc drive is selected as the transfer destination

Drive Information

- Primary: Displays the primary drive if drives are grouped.
- Model: Model name of the ODS drive
- Serial ID: Serial number of the ODS drive
- Status: Drive status
  - NORMAL: Normal status
  - EJECTING: Cartridge eject processing is in progress
  - FINALIZING: Cartridge finalize processing is in progress
  - EJECT_RESERVED: Eject processing has been reserved
  - FINALIZE_RESERVED: Finalize processing has been reserved
  - FINALIZE_EJECT RESERVED: Finalize processing and eject processing has been reserved
  - ERROR: Error status

Cartridge Information

- ID: Name of the inserted cartridge
- Serial ID: Serial number of the inserted cartridge
- Type: Type of the inserted cartridge (SL-RE, SL-R, DL-RE, DL-R, TL-RE, QL-R)
- Status: Cartridge status
  - NORMAL: Normal status
  - READ_ONLY: Read-only cartridge
  - NO_CARTRIDGE: A cartridge has not been inserted.
  - DRIVER_ERROR: Driver error
  - DEVICE_ERROR: Device error
  - SYSTEM_GUARD: Cartridge is guarded by the system
  - BLANK_MEDIA: Blank media
  - UNSUPPORTED_MEDIA: Unsupported media
  - CORRUPTED_MEDIA: Corrupted media

- UNSUPPORTED_VOLUME: Unsupported volume
- UNKNOWN_VOLUME: Unknown volume
- INCONSISTENT_VOLUME_UNRECOVERABLE_VERSION: Inconsistent volume version
- INCONSISTENT_VOLUME_UNRECOVERABLE: Inconsistent volume
- NOT_ODS_DRIVE: Drive is not an ODS drive.

- Free space: Free space on the cartridge

If a network drive is selected as the transfer destination

- Status: Status of the network drive
- Path: Path of transfer destination drive
- Free space: Free space on the transfer destination drive

If an XDA is selected as the transfer destination
XDA Information

- Host: Host name of the XDA
- Status: Status of the XDA

Drive Information

- Path: Path of shared folder on the XDA
- Status: Status of shared folder on the XDA
- Free space: Free space on the device

(2)  (Submit) button

Registers the transfer task for the clip selected in the Clip List to the Transfer List. Selection of multiple clips is supported for transfer.
Clicking the submit button displays a confirmation dialog. If the transfer destination is a network drive, select the type of files to transfer. If the transfer destination is an optical drive, select the type of files to transfer and whether to register in a CMS. If registering in a CMS, select the bin in which to register the files. If the transfer destination is an XDA, enter the XDA category.

Note

Transfer tasks cannot be registered in the following cases.

- If eject processing or finalize processing is in progress or is reserved
- If the status of the drive or cartridge is not NORMAL
- If the status of a clip is not CREATED
- If a cartridge is not inserted in the drive
- If there is insufficient free capacity on the cartridge
- If an error occurred in the drive

(3) Transfer List

Displays the list of transfer tasks. You can cancel registered tasks.
Completed tasks are also shown in the list.

Remaining time
Displays the time required to complete all registered tasks.

The following items are displayed in the Transfer List.

-  icon: This icon appears if the recorded clip spans more than one disc within a cartridge.
-  icon: Preview in full resolution is unavailable.
- Name: Name of clip
- Start Time: Start time of the task
- Progress: Transfer progress status
- Status: Transfer status
  - (Time display): Transfer in progress. The time required to complete the transfer is displayed.
  - READY: Waiting for process start
  - COMPLETED: Transfer completed
  - CANCELLING: Transfer cancellation processing in progress
  - CANCELLED: Transfer cancelled
  - ERROR: Terminated unsuccessfully

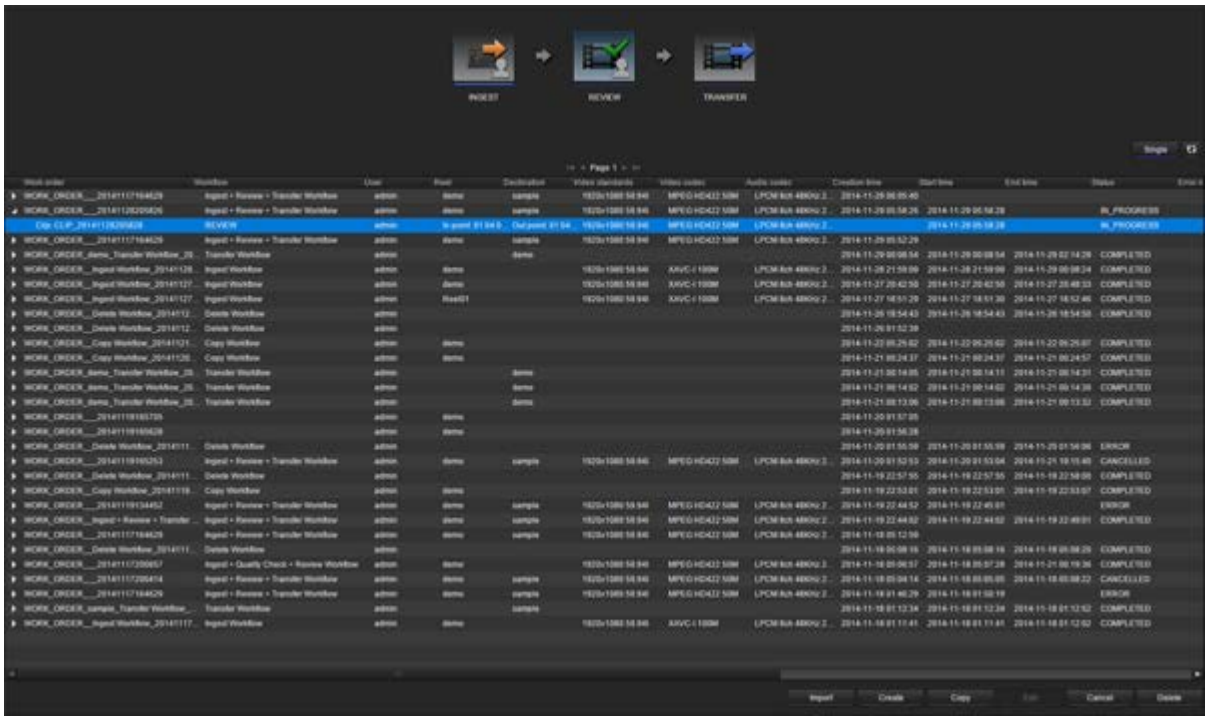
Clicking the Name, Start time, Status, or other column header sorts the list according to the selected header.
Selecting a completed transfer task and clicking the [Preview] button displays a preview dialog for selecting a monitor and previewing clips on the cartridge. Clips can be previewed only if a task that completed a transfer to a cartridge in an ODS drive is selected. Clips cannot be previewed while the ODS drive is used for transferring clips. Previewing stops if transfer to an ODS drive starts while previewing clips.
If the [Cancel] button is clicked while the selected task is in progress, the file transfer is aborted and the task is deleted from the transfer destination.
Selecting a completed transfer-to-cartridge task and clicking the [Delete] button will delete the clip transferred to the ODS drive together with files associated with the clip, such as a proxy.

Note

A cartridge cannot be ejected using the eject button on the ODS drive while previewing clips or if the web browser forcibly terminates while previewing clips. In this case, select [Eject] from the drop-down menu on the Transfer pane to eject the cartridge.

Workflow Screen

The Workflow screen is used to create work orders and to display the status of workflows during execution.



(1) Workflow status

Displays a diagram of the workflow selected in the list, and displays the current progress status.

(2) Workflow list

Displays detailed information about the workflows in each work order. Tasks executed by an operator from the workspace are also displayed in the list.
The following items are displayed in the list.

- Work order: Name of the work order
- Workflow: Name of the workflow
- User: Name of the user who created the work order
- Reel: Reel ID
- Destination: Destination cartridge ID
- Video standards: Video standard
- Video codec: Video format of the clip
- Audio codec: Audio format of the clip
- Creation time: Date and time the work order was created
- Start time: Start time of the work order
- End time: End time of the work order

Status: Work order status

- (Blank)
- IN_PROGRESS
- COMPLETED
- ERROR
- CANCELED

- Error message: Detailed information when an error occurs

Clicking a column header (excluding Video standards, Video codec, Audio codec, and Error message) sorts the list according to the selected header.

 **(Refresh) button**

Updates the screen with the current status.

[Multiple] / [Single] button

Selects the work order selection method. When [Multiple] is displayed, you can select multiple work orders simultaneously. When [Single] is displayed, you can only select one work order at a time.

[Import] button

Registers a work order by importing a CSV-format file or TXT file that defines a work order.
For details about defining a work order in a file, see Entering a work order in a file below.

[Create] button

Creates a new work order. The [Create] dialog appears.

[Copy] button

Copies the settings from the selected workflow and creates a new work order. The [Copy] dialog appears containing the settings of the selected workflow.

[Edit] button

Edits the selected work order. The [Edit] dialog appears.

[Cancel] button

Cancels execution of the work order currently in progress.

Note

DELETE workflows cannot be canceled.

[Delete] button

Deletes the selected work order.

Entering a work order in a file

You can register one or more work orders in a single operation by importing the work order(s) entered in a comma-delimited file or tab-delimited file.
A sample file (CSV-format) is shown below. Line 1 is a header. You can copy the sample below and modify line 2 and subsequent lines.

```
clipName,clipDescription,inPoint,outPoint,presetTimecode,sourceId,destinationId,ingestUserId,operationFrequencyId,videoCodecId,audioCodecId,audioLeftChannels,audioRightChannels,thumbnailFrame,ingestAutoStopFreezeFrame,clipProperty.Workflow,clipProperty.TestNo,clipProperty.Memo,workflowTemplateName,qualityCheckProfileId,qualityCheckAutoStopFlag,reviewUserId,revie
```

wNotificationFlag,deviceId,fullResTransferFlag,proxyTransferFlag,thumbnailTransferFlag,reportTransferFlag,nrtTransferFlag,hashTransferFlag,registerDeviceId,registerDestinationId,propertyDeleteFlag,notificationUserIds
12_ING+QC+REV+TRS+DEL_3,12_ING+QC+REV+TRS+DEL_3 description,01:14:01:22,01:14:06:00,,Test003,Cartridge001,admin,1920x1080 59.94I,MPEG HD 35M,LPCM 4ch 48KHz 16bit,"1,2,6","3,6,7",32,,Ingest + Quality Check + Review + Transfer + Delete,12,"defaultProfile, no flag, External Device",Ingest + Quality Check + Review + Transfer + Delete Workflow,defaultProfile,FALSE,admin,TRUE,E:,TRUE,FALSE,FALSE,FALSE,FALSE,FALSE,,,FALSE,

The format of each item is given in the table below.
All ingest tasks with the same fields (excluding clipName, clipDescription, inPoint, outPoint, presetTimecode, and clipProperty.[name]) are automatically grouped as a single work order.

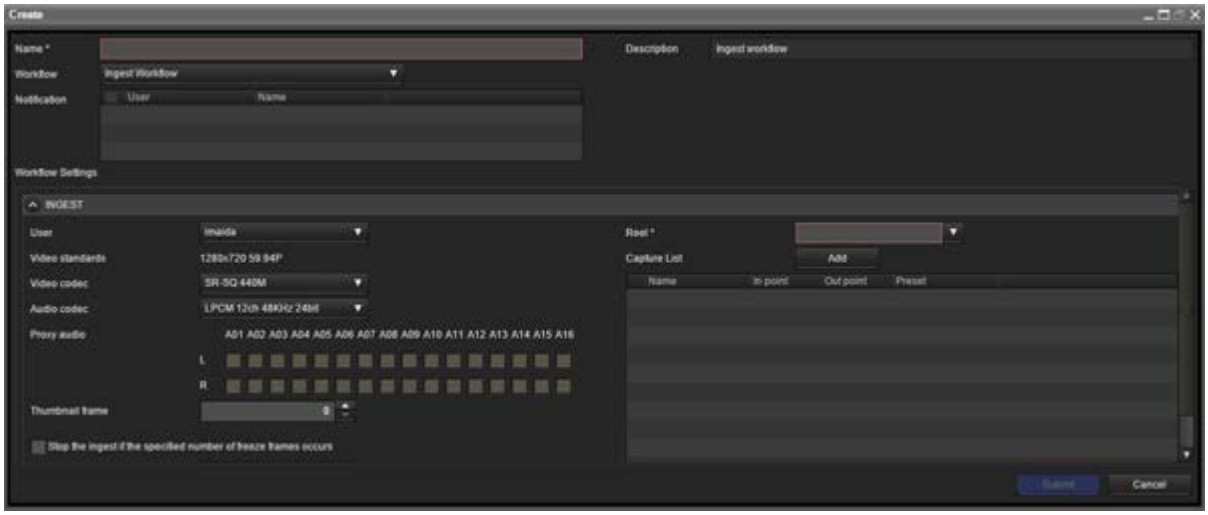
Item name	Input format	Description
clipName	1 to 256 characters	Name of clip creating when ingesting
clipDescription	1 to 65,536 characters	Description of clip
inPoint	HH:mm:ss:ff HH:mm:ss;ff HH:mm:ss.ff	Tape In point
outPoint	HH:mm:ss:ff HH:mm:ss;ff HH:mm:ss.ff	Tape Out point
presetTimecode	HH:mm:ss:ff HH:mm:ss;ff HH:mm:ss.ff AUTO	Preset point. Preset is disabled if left blank. Sets the inPoint value if “AUTO” is specified. If inPoint is left blank, the “AUTO” character string is registered as the value of this item.
sourceId	1 to 64 characters	ID of tape to ingest
destinationId	Cartridge ID: 1 to 64 characters Network drive path: 2 to 128 characters XDA category: 1 to 128 characters	ID of the cartridge on which to save clips, path of the network drive registered in the system, or XDA category
	1 to 64	Name of user assigned to execute the ingest task.

ingestUserId	characters	Users registered on the [User] page of the Settings screen can be specified.
operationFrequencyId		Video standard of the VTR. Character strings identical to the options available when configuring ingest settings or when creating a work order.
videoCodecId		Video codec of the clip. Character strings identical to the options available when configuring ingest settings or when creating a work order.
audioCodecId		Audio codec of the clip. Character strings identical to the options available when configuring ingest settings or when creating a work order.
audioLeftChannels	Comma-separated channel numbers 0 to 7 (PWS-100TD1) or 0 to 15 (PWS-300TD2)	Audio left channels
audioRightChannels	Comma-separated channel numbers 0 to 7 (PWS-100TD1) or 0 to 15 (PWS-300TD2)	Audio right channels
thumbnailFrame		Specifies the number of frames, counting from the start of the clip, of the frame to use as the thumbnail frame.
ingestAutoStopFreezeFrame	1 to 1000	Specifies the number of frames before stopping the ingest automatically if the timecode stays the same (freeze frame). Ingest does not stop automatically if left blank.
clipProperty.[name]	1 to 256 characters	Properties specified for a clip. Up to 256 characters can be entered for the property name in [name]. Up to 100 properties can be specified.
workflowTemplateName	1 to 256 characters	Name of the workflow template. Character strings identical to the options available when configuring ingest settings or when creating a work order.

qualityCheckProfileId		Name of the profile used for quality check tasks. Profile names registered on the [Quality Check] page of the Settings screen can be specified. This item is ignored if the workflow specified using workflowTemplateName does not contain a quality check task.
qualityCheckAutoStopFlag	TRUE or FALSE	Specifies whether to stop a quality check task if an error occurs during quality check. Setting to TRUE will automatically stop quality checks if an error occurs.
reviewUserId	1 to 64 characters	Name of user assigned to execute the review task. Users registered on the [User] page of the Settings screen can be specified. This item is ignored if the workflow specified using workflowTemplateName does not contain a review task.
reviewNotificationFlag	TRUE or FALSE	Specifies whether to send notifications to users conducting reviews. This item is ignored if the workflow specified using workflowTemplateName does not contain a review task.
deviceId		Drive letter of clip transfer destination cartridge (for example, E:) or name of an XDA registered in the system. Drive letters registered on the [Transfer] page of the Settings screen can be specified. This item is ignored if transferring to a network drive or if the workflow specified using workflowTemplateName does not contain a transfer task.
fullResTransferFlag	TRUE or FALSE	Specifies whether to transfer full resolution when transferring clips. Set to FALSE if no value is specified. This item is ignored if transferring to an XDA or if the workflow specified using workflowTemplateName does not contain a transfer task.
proxyTransferFlag	TRUE or FALSE	Specifies whether to transfer proxy files when transferring clips. Set to FALSE if no value is specified. This item is ignored if transferring to an XDA or if the workflow specified using workflowTemplateName does not contain a transfer task.
thumbnailTransferFlag	TRUE or FALSE	Specifies whether to transfer thumbnails when transferring clips. Set to FALSE if no value is specified. This item is ignored if transferring to an XDA or if the workflow specified using workflowTemplateName does not contain a transfer

		task.
reportTransferFlag	TRUE or FALSE	Specifies whether to transfer reports when transferring clips. Set to FALSE if no value is specified. This item is ignored if transferring to an XDA or if the workflow specified using workflowTemplateName does not contain a transfer task.
nrtTransferFlag	TRUE or FALSE	Specifies whether to transfer NRT metadata when transferring clips. Set to FALSE if no value is specified. This item is ignored if transferring to an XDA or if the workflow specified using workflowTemplateName does not contain a transfer task.
hashTransferFlag	TRUE or FALSE	Specifies whether to transfer hash files when transferring clips. Set to FALSE if no value is specified. This item is ignored if transferring to an XDA or if the workflow specified using workflowTemplateName does not contain a transfer task.
registerDeviceId		Names of the CMS registered in the system. This item is ignored if the workflow specified using workflowTemplateName does not contain a register task.
registerDestinationId		Path of bin in the CMS. The default bin is used if the field is blank. This item is ignored if the workflow specified using workflowTemplateName does not contain a register task.
propertyDeleteFlag	TRUE or FALSE	Specifies whether to delete properties when deleting a clip. Setting to TRUE will delete the clip properties. Set to FALSE if no value is specified. This item is ignored if transferring to a network drive/XDA or if the workflow specified using workflowTemplateName does not contain a delete option.
notificationUserIds		Comma-delimited user IDs to notify when the workflow ends. The maximum number of users that can be notified is the same as the number of users (1,000) that can be registered in the system.

Work Order [Create] Dialog



* PWS-100TD1 diagram shown.

Name

Specifies the name of the work order.

Workflow

Select the workflow to use from the list box.

Description

Displays a description of the selected workflow.

Notification

Selects the notification mail addresses to send mail when the workflow finishes.

The users with a mail address registered in the Settings screen are displayed in list view. Place a check mark in the checkboxes for the users to whom you want to send mail.

Workflow Settings

Configures the settings for each task in the workflow. The content displayed varies depending on the selected workflow.

INGEST

User

Selects the user assigned to execute the ingest task.

Video standards

Selects the video standard for the system.

Video codec

Selects the video codec. The codecs available for selection varies depending on the video standard and video codec specified on the Ingest page.

Audio codec

Selects/displays the audio codec. The codecs available for selection varies depending on the specified video standard and video codec.

For details about the supported combinations of video standard, video codec, and audio codec, see Ingest Page.

Proxy audio
Specifies the channels used for the audio in proxy clips created during ingesting. You can select a combination of left and right audio for multiple channels.
Thumbnail frame
Specifies the frame number, counting from the start of the clip, of the frame to use as the thumbnail frame.
Reel
Enter the reel ID of the VTR. You can also select the reel from the drop-down list.
Capture List
Specifies the In point, Out point, and preset timecode for ingest. Click the [Add] button to add an entry.
Freeze Frame
Stops the ingest automatically if the specified number of contiguous freeze frames occurs (timecode FREEZE).

QUALITY_CHECK

Profile
Selects the profile used for the quality check. Profiles are registered on the [Quality Check] page of the Settings screen.
Placing a check mark in the checkbox will stop the workflow if an error is detected during the quality check.

REVIEW

User
Specifies the user assigned to review clips. If the user has a mail address registered, placing a check mark in the [Enable notification] checkbox will send notification mail when the content becomes reviewable.

TRANSFER

Device
Selects the transfer destination device. The names of the network drives, optical disc drives, and XDAs available for selection are configured on the [Transfer] page of the Settings screen.
If the selected workflow includes [REGISTER], only an optical disc drive can be selected.
Destination
If a network drive is selected as the device, the destination path is displayed.
If an optical disc drive is selected as the device, this selects the name of the destination cartridge. The names of cartridges available for selection are configured on the [Transfer] page of the Settings screen.
If XDA is selected as the device, enter the XDA category.
Clip
Selects the type of files to transfer (full resolution, proxy, thumbnail, report, XML, MD5).

REGISTER

Name

Selects the name of a CMS in which to register clips and metadata.

Bin

Click the [Browse] button and select a register destination folder.

DELETE

You can set an option to retain clip properties and proxy video data when deleting clips.
If this option is not selected or clips have not been transferred to cartridges, all data will be deleted.

Submit button

Registers the work order.

Settings Screen

This section describes the names of parts and functions of the system Settings screen.

My Settings Page

This page is used to make settings related to the system display and login user accounts.
When finished changing the settings, click the [Save] button.
The preferences on this page are saved independently for each user.

Language

Selects the system display interface language.

Change Password

Changes the login user password.

Mail Address

Enter a mail address if you want to receive notification mail when a workflow ends or when review starts. You can send a test mail to each of the specified addresses.

User Page

This page is used to manage user accounts.
This page is displayed for users having Administrator role only.

User roles

Manager role and User role

The manager role is required to create work order tasks, set In and Out points, and create/edit tasks.
Users with a user role can execute tasks that have been assigned to them, but they cannot create or edit tasks.

Administrator role

The administrator role is required to display the Settings and Maintenance screens to configure various settings.

User List

Displays the list of users. The user ID, role, full name, mail address, and last login date and time are displayed.

To add a user

1. Click the [Create] button.
2. In the [Create] dialog, specify the user ID, user role (Manager/User), and password for the new user. For users who will need to access the Settings screen or Maintenance screen, also configure the Administrator role. Also, enter a mail address to receive notification mail when a workflow ends or when review starts.
3. Click the [Submit] button.
   The user account is created.

To edit user information

1. Select the user, then click the [Edit] button.
2. In the [Edit] dialog, change the user role (Manager/User), Administrator role, and mail address. To change the password, place a check mark in the [Issue new password] checkbox.
3. Click the [Submit] button.
   The updated information is registered. If [Issue new password] is selected, a new login password is generated automatically.

Note

User information cannot be modified while that user is logged in.

To delete a user

Select the user, then click the [Delete] button. You can delete several users at the same time by placing a check mark in the checkbox in the User List.

Ingest Page

This page is used to make video standard, port I/O, and other settings related to ingesting.
This page is displayed for users having Administrator role only.

Ingest Settings

Video standards
Specifies the video standard.
Video codec
Selects the video codec. The codecs available for selection varies depending on the specified video standard.
Audio codec
Selects/displays the audio codec. The codecs available for selection varies depending on the specified video standard and video codec.

The supported combinations of operations frequency, video codec, and audio codec are shown below.
For PWS-100TD1

Video standards	Video codec	Audio codec
1920x1080 23.98PsF 1920x1080 25PsF 1920x1080 29.97PsF 1920x1080 50I 1920x1080 59.94I	MPEG HD 35M	LPCM 4ch 48KHz 16bit
	MPEG HD422 50M XAVC-I 100M	LPCM 8ch 48KHz 24bit
1440x1080 23.98PsF 1440x1080 25PsF 1440x1080 29.97PsF 1440x1080 50I 1440x1080 59.94I	MPEG HD 35M	LPCM 4ch 48Khz 16bit
720x576 50I 720x576 50I 16:9 720x480 59.94I 720x480 59.94I 16:9	IMX 30M IMX 40M IMX 50M UNCOMPRESS 220M	LPCM 4ch 48KHz 24bit LPCM 8ch 48KHz 16bit

For PWS-300TD2

Video standards	Video codec	Audio codec
1920x1080 23.98PsF 1920x1080 25PsF	MPEG HD 35M[a)]	LPCM 4ch 48KHz 16bit[a)]
	MPEG HD422 50M[a)] XAVC-I 100M[a)]	LPCM 8ch 48KHz 24bit[a)]

1920x1080 29.97PsF 1920x1080 50I 1920x1080 59.94I	SR-Lite 220M SR-SQ 440M	LPCM 0ch 48KHz 24bit LPCM 2ch 48KHz 24bit LPCM 4ch 48KHz 24bit LPCM 8ch 48KHz 24bit LPCM 12ch 48KHz 24bit LPCM 16ch 48KHz 24bit
1440x1080 23.98PsF 1440x1080 25PsF 1440x1080 29.97PsF 1440x1080 50I 1440x1080 59.94I	MPEG HD 35M	LPCM 4ch 48Khz 16bit
1920x1080 23.98PsF DBL 1920x1080 24PsF DBL 1920x1080 25PsF DBL 1920x1080 29.97PsF DBL 1920x1080 50I DBL 1920x1080 59.94I DBL	SR-Lite 220M DBL[b)] SR-SQ 440M DBL[b)]	LPCM 0ch 48KHz 24bit[b)] LPCM 2ch 48KHz 24bit[b)] LPCM 4ch 48KHz 24bit[b)] LPCM 8ch 48KHz 24bit[b)] LPCM 12ch 48KHz 24bit[b)] LPCM 16ch 48KHz 24bit[b)]
1280x720 50P 1280x720 59.94P	SR-Lite 220M SR-SQ 440M	LPCM 0ch 48KHz 24bit LPCM 2ch 48KHz 24bit LPCM 4ch 48KHz 24bit LPCM 8ch 48KHz 24bit LPCM 12ch 48KHz 24bit LPCM 16ch 48KHz 24bit
1280x720 50P DBL 1280x720 59.94P DBL	SR-Lite 220M DBL[b)] SR-SQ 440M DBL[b)]	LPCM 0ch 48KHz 24bit[b)] LPCM 2ch 48KHz 24bit[b)] LPCM 4ch 48KHz 24bit[b)] LPCM 8ch 48KHz 24bit[b)] LPCM 12ch 48KHz 24bit[b)] LPCM 16ch 48KHz 24bit[b)]
720x576 50I 720x576 50I 16:9 720x480 59.94I 720x480 59.94I 16:9	IMX 30M[a)] IMX 40M[a)] IMX 50M[a)] UNCOMPRESS 220M[a)]	LPCM 4ch 48KHz 24bit[a)] LPCM 8ch 48KHz 16bit[a)]

a) Available when the PWSL-TD12 Extended Codec Option is installed.

b) Available when the PWSL-TD11 SStP Double Speed Option is installed.

[Save] button

Saves the ingest settings. Follow the on-screen instructions to shut down the system, and then reboot the system.

Note

The SStP codec can be set only for the 2-input/2-output configuration. If the video codec is changed to SR-Lite or SR-SQ for a 3-input/1-output or 4-input configuration, all full-resolution files, proxy files, report files, and work orders are deleted. Always transfer or download all data to save it before changing the video codec to SR-Lite or SR-SQ.

Reference Settings

Selects the system reference sync signal. Select a reference signal from the drop-down list.

- REF IN (Tri-Level Sync): Sync to the HD tri-level signal that is input on the REF IN connector.
- REF IN (Black Burst): Sync to the black burst signal that is input on the REF IN connector.
- SDI1: Sync to the signal that is input on the SDI 1 connector.

[Save] button
Saves the reference settings.

Note

For SStP DBL, operates using “SDI1,” regardless of the setting.

SDI Settings

Specifies which of the four SDI connectors on the rear panel are used as inputs and outputs. You select the input/output configuration from a drop-down list.

- 2 Input/2 Output: The SDI 1 and SDI 2 connectors are used as inputs, and the SDI 3 and SDI 4 connectors are used as outputs.
- 3 Input/1 Output: The SDI 1 to 3 connectors are used as inputs, and the SDI 4 connector is used as an output.
- 4 Input: The SDI 1 to 4 connectors are used as inputs.

A name representing, for example, the connected device or purpose, can be specified for each SDI connector. The specified names are displayed when selecting input/output ports on the operation screen.
[Save] button
Saves the SDI settings. After saving, change the RAID configuration to match the SDI settings. For details about setting the RAID configuration, refer to the Operation Manual of the PWS-100 maintenance web application (for PWS-100TD1) or the PWS-300TD2 Installation Guide (for PWS-300TD2).

Note

Saving the SDI settings will delete all full-resolution files, proxy files, report files, and work orders written in internal storage.
Before changing the SDI settings, always transfer or download all data to prevent data loss.

VANC Packet Select

Configures metadata to record to MXF files from the SDI input signal.
SDI port select drop-down list
Selects the SDI connector to set metadata.
Preset

When a preset is selected, reserved values, such as ARIB values, are automatically applied.

Line

Selects Line for presets that require a Line setting.

ANC1 to ANC10

You can specify up to ten DID/SDID/Line groups. Values used in presets can also be modified.

Note

If there are multiple packets that match the specified DID/SDID/Line, only the last packet is recorded.

Setting SDID to 0 will record packets with matching DID and Line, without checking the SDID.

Reel Settings

Registers the name of the tape to ingest. A reel ID is automatically registered if a new reel ID is entered on the Ingest pane or Workflow screen.

[Create] button

Creates a new reel ID. The create reel ID dialog appears.

[Edit] button

Edits the description of the selected reel ID. The edit reel ID dialog appears.

[Delete] button

Deletes the selected reel ID. You can delete reel IDs at the same time by placing a check mark in the checkbox in the reel list.

Quality Check Page

This page is used configure profiles used for quality check tasks.

Profile

Specifies the name of the profile. Specify the [Audio] and [Video] items to check, then click the [Save] button.

Audio

Muting

Checks the audio level of each channel and detects when the audio level is lower than the threshold value. The following parameters are available.

- Threshold: Specifies the minimum audio level in the range –80 to 0 dBFS.
- Duration: Specifies the continuous duration in the range 1 to 480000 samples.

Loudness

Checks the audio level of each channel and detects when the audio level is higher than the threshold value. The following parameters are available.

- Threshold: Specifies the maximum audio level in the range –80 to 0 dBFS.
- Duration: Specifies the continuous duration in the range 1 to 480000 samples.

Test Tone

Checks the audio waveform of each channel and detects the test tone. The following parameters are available.

- Frequency: Specifies the frequency of the test tone to detect in the range 1000 to 100000 Hz.
- Threshold: Specifies the minimum audio level in the range –80 to 0 dBFS.
- Duration: Specifies the continuous duration in the range 1600 to 480000 samples.

Video

White Frame

Checks the average values of the luminance (Y level) and chrominance level, and detects images where the levels exceed a threshold for a given duration. The following parameters are available.

- Threshold: Specifies the maximum luminance level in the range –6.8 to 109 IRE.
- Threshold: Specifies the minimum chrominance level in the range 0 to 56.7 IRE.
- Duration: Specifies the continuous duration in the range 1 to 1000 frames.

Black Frame

Checks the average values of the luminance (Y level) and chrominance level, and detects images where the levels exceed a threshold for a given duration. The following parameters are available.

- Threshold: Specifies the minimum luminance level in the range –6.8 to 109 IRE.
- Threshold: Specifies the minimum chrominance level in the range 0 to 56.7 IRE.

- Duration: Specifies the continuous duration in the range 1 to 1000 frames.

Luminance High

Checks the average values of the luminance (Y level), and detects images where the level is higher than the threshold for a given duration. The following parameters are available.

- Duration: Specifies the continuous duration in the range 1 to 1000 frames.
- Threshold: Specifies the maximum luminance level in the range –6.8 to 109 IRE.

Luminance Low

Checks the average values of the luminance (Y level), and detects images where the level is lower than the threshold for a given duration. The following parameters are available.

- Duration: Specifies the continuous duration in the range 1 to 1000 frames.
- Threshold: Specifies the minimum luminance level in the range –6.8 to 109 IRE.

Chroma High

Checks the average value of the chrominance level, and detects images where the level is higher than the threshold for a given duration. The following parameters are available.

- Duration: Specifies the continuous duration in the range 1 to 1000 frames.
- Threshold: Specifies the maximum chrominance level in the range 0 to 56.7 IRE.

Chroma Low

Checks the average value of the chrominance level, and detects images where the level is lower than the threshold for a given duration. The following parameters are available.

- Duration: Specifies the continuous duration in the range 1 to 1000 frames.
- Threshold: Specifies the minimum chrominance level in the range 0 to 56.7 IRE.

Freeze Frame

Checks whether the same image is shown continuously, and detects when the same image is continuous over a given duration.

- Duration: Specifies the continuous duration in the range 2 to 1000 frames.
- Similarity: Specifies the degree of similarity of images in the range 0 to 100%.

Transfer Page

This page is used to make settings related to transfer tasks.
This page is displayed for users having Administrator role only.

Network Drive Settings

Specifies network drives for transferring clips and displays drive status.

Destination path format

Selects the format of the transfer destination path. You can specify a combined path for base path, reel ID, clip ID, and clip name. Click the [Save] button to register the selected format.

Network drive list

Displays the following information for registered network drives.

- Name: Name of the network drive
- Path: Path of the network drive (for example, //192.168.0.1/share)
- Status: Status of the network drive
  - NORMAL: Normal
  - NOT_FOUND: The drive cannot be detected.

[Download] button

Saves the metadata stored on the selected network drive in text format.

[Create] button

Creates a new network drive. The create network drive dialog appears.

[Edit] button

Edits the name of the selected network drive. The edit network drive dialog appears.

[Delete] button

Deletes the selected network drive. You can delete several network drives at the same time by placing a check mark in the checkbox in the network drive list.

To add a network drive

1. Click the [Create] button to display an input dialog.
2. Enter the name and path of the network drive.
3. Click the [Submit] button.

Note

When mounting a drive, you cannot connect to a network drive that requires user name and password authentication.

To save clip metadata in text format

Click the [Download] button to save the metadata stored on the network drive as a tab-delimited file. The save destination is a folder specified using a web browser. You can specify whether to create a file for each drive or save the data from multiple drives as a single file.

ODS Drive Settings

Specifies settings for connected optical disc drives and displays drive status. You can group primary/secondary drives and rename drives so that the same file is transferred to two ODS drives simultaneously.

Destination path format

Selects the format of the transfer destination path. You can specify a combined path for base path, reel ID, clip ID, and clip name. Click the [Save] button to register the selected format.

ODS drive group list

Displays the ODS drive group settings area and a list of ODS drives.

Displays the drives in each of the Group1 and Group2 groups in the ODS drive group settings area.

The following information is displayed for registered optical disc drives in the ODS drive list.

- Name: Name of the drive. You can edit the name directly. After renaming a drive, click the [Save] button.
- Drive: Windows drive letter
- Model: Model name of the drive
- Serial Number: Serial number of the drive
- Status: Drive status
  - NORMAL: Normal
  - INJECTING: Cartridge insert processing is in progress
  - EJECTING: Cartridge eject processing is in progress
  - FINALIZING: Cartridge finalize processing is in progress
  - EJECT RESERVED: Cartridge eject processing has been reserved
  - FINALIZE RESERVED: Cartridge finalize processing has been reserved
  - FINALIZE EJECT RESERVED: Finalize processing and eject processing has been reserved
  - ERROR: Error

To set up the transfer of files to two ODS drives simultaneously

Select a drive in the ODS drive group list, and drag & drop the drive into “Group1” or “Group2” in the ODS drive group settings area.

Up to two drives can be registered in a group. The drive in the top row in the group settings area becomes the primary drive, and the drive in the bottom row becomes the secondary drive.

To delete a drive registration, click the  button in front of the drive name. Click the [Save] button to save the group settings and drive names.

ODS Cartridge Settings

Displays information for cartridges on which clips are transferred. You can specify a name for a cartridge and associate it with the serial ID. The specified name is displayed in the Transfer pane.

ODS cartridge list

Displays the following information for registered cartridges.

- ID: Name of cartridge
- Serial ID: Serial number of the drive
- Barcode ID: ID of the barcode label

- Description: Description of cartridge
- Export destination: Network drive for exporting clip information
- Export status: Status of the export task

[Download] button
Saves the metadata stored on the selected cartridge in text format.
[Export] button
Exports information about the clips stored on the cartridge.
[Create] button
Registers a new cartridge. The register cartridge dialog appears.
[Edit] button
Edits information for the selected cartridge. The edit cartridge dialog appears.
[Cancel] button
Cancels exporting during processing.
[Delete] button
Deletes the selected cartridge. You can delete several cartridges at the same time by placing a check mark in the checkbox in the ODS cartridge list.
To register a cartridge

1. Click the [Create] button to display the register cartridge dialog.
2. Enter a cartridge name and serial ID, then click the [Submit] button.
   The same serial ID as a previously registered cartridge cannot be used.

You can select a cartridge and click the [Edit] button to edit information for a registered cartridge.
To delete a cartridge from the list

1. Select a cartridge, then click the [Delete] button.
2. If you also want to delete clips transferred to the selected cartridge, select [Delete clips saved on cartridges from the system].
   If this option is not selected, information about the cartridges is deleted from the system, but the clips are not deleted. However, if only clip properties and proxy video data are retained in the system, the retained data is deleted if the cartridge is the sole destination for the clips.
3. Click the [Yes] button.

To export clip information
You can export clip information, proxy files, and report files to each cartridge. Select an export destination from the transfer destination registered in [Network drive settings].

1. Select a cartridge, then click the [Export] button.
2. Select an export destination folder, then click the [Submit] button.

The clip information is saved in the export destination folder in a file named “ODA_Export_(Serial ID)_(Date).zip.” Importing this file into Content Manager allows you to manage clips in Content Manager (importing of files is supported in Content Manager version 2.0.1 and later).
To save clip metadata in text format
Click the [Download] button to save the metadata stored on the cartridge as a tab-delimited file. The save destination is a folder specified using a web browser. You can specify whether to create a file for each cartridge or save the data from multiple cartridges as a single file.

XDA Settings

Specifies the XDA shared folder for transferring clips and displays status. Only one XDA device can be registered.

XDA list

Displays the following information for a registered XDA device.

- Name: Name of XDA
- Scheme: Scheme of XDA
- Host: Address of XDA
- Port: Port number
- User: XDA user name
- Path: Path of shared folder
- Status: Status of the XDA

[Create] button

Registers a new XDA device. A registration dialog appears.

[Edit] button

Edits information for the selected XDA device. The [Edit] dialog appears.

[Delete] button

Deletes the selected XDA device.

Configuration example

Example XDA configuration values are shown below.

Name: XDA Scheme: http Host: 192.168.1.101 Port: 8080 Path: //192.168.1.100/Hot_Folder

Register Page

The Register Page is used to register a CMS for registering digitized clips and metadata. Only one CMS device can be registered.
This page is displayed for users having Administrator role only.

CMS Settings

CMS List
Displays the following information for a registered CMS device.

- Name: Name of CMS
- Scheme: Scheme (http, https) of CMS
- Host: Address of CMS
- Port: Port number
- User: CMS user name
- Default bin: Default save destination bin
- Status: Status of CMS

[Create] button
Registers a new CMS. A registration dialog appears.
[Edit] button
Edits information for the selected CMS. The [Edit] dialog appears.
[Delete] button
Deletes the selected CMS.

Notification Page

The Notification page is used to makes settings related to sending mail notifications.
This page is displayed for users having Administrator role only.
Specify the following items.

- SMTP server name
- Port number
- Use secure connection: Place a check mark in the checkbox to select the type of protection.
- User: Enter the mail server account.
- Password: Enter the mail server password.
- Mail address: Enter the mail address from which to send mail notifications.

[Set Typical Mail Settings] button
Enter mail settings, such as Gmail, for example. Modify settings as required.
[Test Mail] button
Sends test mail to the specified users.
[Save] button
Saves the mail notification settings.

System Page

The System page is used to shut down and to collect logs.
This page is displayed for users having Administrator role only.

System Control

Shuts down the system.
Click the [Shutdown] button to display a confirmation dialog, and click [Yes].

Log Collection

Collects system log files.
Click the [Download] button to download all system application logs, maintenance application logs, and the disk information logs.

Option Key List (PWS-300TD2 only)

Displays a list of the option keys installed in the system.
To add an option key, click the [Add] button and enter the key in the dialog.

Option Board List (PWS-300TD2 only)

Displays a list of the option boards installed in the system.

Appendix

The appendix comprises the following topics.

Recording Time for Each RAID Configuration

The available recording time for each RAID configuration and video codec is given below.

Note

The recording time may differ from the values below, depending on the recording media and other conditions.

For PWS-100TD1

RAID configuration			2D + 1P	3D + 1P	5D + 1P
Number of logical drives			4	3	2
Drive capacity [a] (per logical drive)			838 GB	1,230 GB	2,050 GB
SD	IMX 30Mbps	Per drive	Approx. 50 hours	Approx. 75 hours	Approx. 125 hours
		Total for all drives	Approx. 200 hours	Approx. 225 hours	Approx. 250 hours
	IMX 40Mbps	Per drive	Approx. 35 hours	Approx. 55 hours	Approx. 95 hours
		Total for all drives	Approx. 140 hours	Approx. 165 hours	Approx. 190 hours
	IMX 50Mbps	Per drive	Approx. 30 hours	Approx. 45 hours	Approx. 70 hours
		Total for all drives	Approx. 120 hours	Approx. 135 hours	Approx. 140 hours
	UNCOMPRESS 220Mbps	Per drive	Approx. 7 hours	Approx. 10 hours	Approx. 18 hours
		Total for all drives	Approx. 28 hours	Approx. 30 hours	Approx. 36 hours
HD	MPEG 35Mbps	Per drive	Approx. 45 hours	Approx. 70 hours	Approx. 120 hours
		Total for all drives	Approx. 180 hours	Approx. 210 hours	Approx. 240 hours
	MPEG 50Mbps	Per drive	Approx. 30 hours	Approx. 45 hours	Approx. 75 hours
		Total for all drives	Approx. 120 hours	Approx. 135 hours	Approx. 150 hours
			Approx. 15	Approx. 25	Approx. 40

	XAVC 100Mbps	**Per drive**	hours	hours	hours
		Total for all drives	Approx. 60 hours	Approx. 75 hours	Approx. 80 hours

a) Capacity displayed in the GUI.

For PWS-300TD2 (SStP)

RAID configuration			**5D + 1P**
Number of logical drives			2
Drive capacity [a] (per logical drive)			12.3 TB
SStP	**SStP SR-Lite 220Mbps**	**Per drive**	Approx. 108 hours
		Total for all drives	Approx. 216 hours
	SStP SR-SQ 440Mbps	**Per drive**	Approx. 54 hours
		Total for all drives	Approx. 108 hours

a) Capacity displayed in the GUI.

PWS-300TD2 (IMX, MPEG-HD, XAVC-I)

RAID configuration			**2D + 1P**	**3D + 1P**	**5D + 1P**
Number of logical drives			4	3	2
Drive capacity [a] (per logical drive)			5 TB	7.4 TB	12.3 TB
SD	**IMX 30Mbps**	**Per drive**	Approx. 300 hours	Approx. 450 hours	Approx. 750 hours
		Total for all drives	Approx. 1200 hours	Approx. 1350 hours	Approx. 1500 hours
	IMX 40Mbps	**Per drive**	Approx. 210 hours	Approx. 330 hours	Approx. 570 hours
		Total for all drives	Approx. 840 hours	Approx. 990 hours	Approx. 1140 hours
	IMX 50Mbps	**Per drive**	Approx. 180 hours	Approx. 270 hours	Approx. 420 hours
		Total for all drives	Approx. 720 hours	Approx. 810 hours	Approx. 840 hours
	UNCOMPRESS 220Mbps	**Per drive**	Approx. 40 hours	Approx. 60 hours	Approx. 108 hours
		Total for all drives	Approx. 160 hours	Approx. 180 hours	Approx. 216 hours
		Per drive	Approx. 270 hours	Approx. 420 hours	Approx. 720 hours

HD	MPEG 35Mbps				
		Total for all drives	Approx. 1080 hours	Approx. 1260 hours	Approx. 1440 hours
	MPEG 50Mbps	**Per drive**	Approx. 180 hours	Approx. 270 hours	Approx. 450 hours
		Total for all drives	Approx. 720 hours	Approx. 810 hours	Approx. 900 hours
	XAVC 100Mbps	**Per drive**	Approx. 90 hours	Approx. 150 hours	Approx. 240 hours
		Total for all drives	Approx. 360 hours	Approx. 450 hours	Approx. 480 hours

a) Capacity displayed in the GUI.

About RAID configuration

- 2D + 1P: RAID5 structure comprising three HDDs; two HDDs assigned for data and one HDD assigned for parity.
- 3D + 1P: RAID5 structure comprising four HDDs; three HDDs assigned for data and one HDD assigned for parity.
- 5D + 1P: RAID5 structure comprising six HDDs; five HDDs assigned for data and one HDD assigned for parity.

Notice to Users

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How to Use this Help

Starting the Help

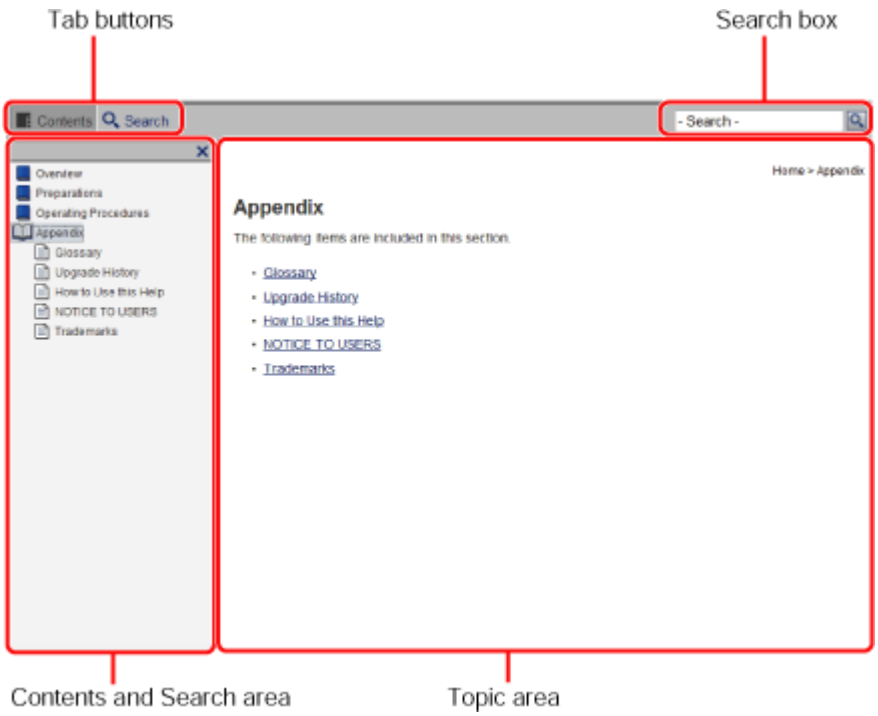
Click the help icon in the global menu, and select Tape Digitize Station Help.

Notes

- In some browsers, it may not be possible to move between topics using the Back/Forward buttons. We recommend that you move between topics using the Contents in the navigation component.
- Reload/refresh the Help in your browser if the Help display becomes corrupted or freezes.

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.
- : Search button
  Displays the search tab for searching words within this Help. The search results display related topics in order of relevance.
  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. The search results display related topics in order of relevance.
Search results are identical to those obtained using the Search tab button.

Contents and Search tabs (navigation component)

Displays the Contents and Search tabs of this Help.
Click the  button at the upper right to hide the Contents and Search tabs, and click the Contents or Search button to redisplay it.

Topic area

Displays the selected topic.
The current topic’s location in the Help is displayed in the upper right.