

Integrated Software Operation Manual (PTZ Control)

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About the PTZ Control Function

Function Overview

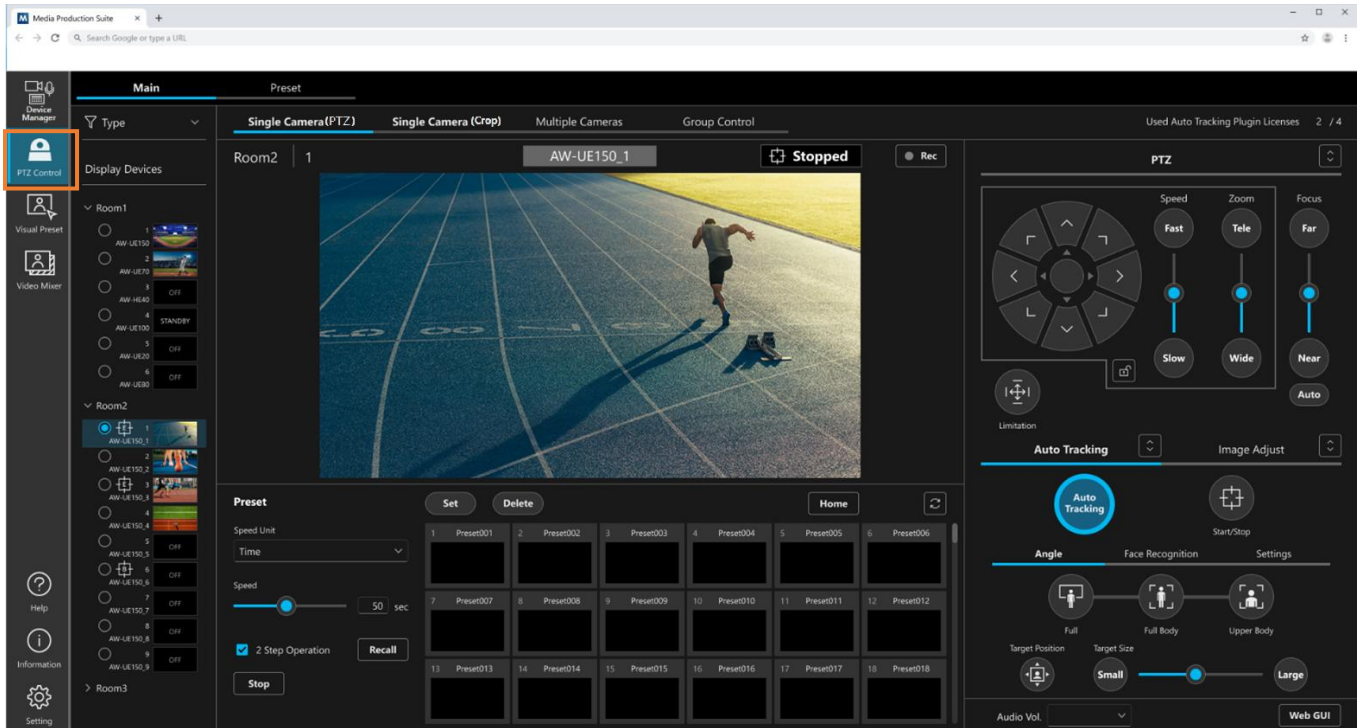
The PTZ Control function provides functions for operating PTZ cameras and box-style cameras.

From this point on in this manual, PTZ cameras and box-style cameras will be collectively referred to as "cameras."

- With the PTZ Control function, you can:
 - Pan, tilt and zoom cameras
 - Operate horizontal/vertical position and zoom for crop frames of cameras
 - Operate camera presets
 - Operate camera Crop presets
 - Adjust camera image quality
 - Start/stop camera video recording
 - Adjust camera audio volume
 - Open the camera web screen
 - Set and operate the auto tracking function for cameras
 - Set and operate the auto crop tracking function for cameras
 - Operate multiple cameras simultaneously

Selecting the PTZ Control Function

Click the [PTZ Control] button in the function selection area on the left of the screen to display the PTZ Control function screen.



PTZ Control Function Screen

The PTZ Control function has multiple screens, and you can switch between them in accordance with use.

[Main] tab

[Single Camera (PTZ)] screen

This screen is to control a single camera.

For details, see [\[Single Camera \(PTZ\) Screen\]](#) in this document.

[Single Camera (Crop)] screen

This screen is to control crop frames of a single camera.

For details, see [\[Single Camera \(Crop\) Screen\]](#) in this document.

[Multiple Cameras] screen

Multiple cameras are arranged next to each other on this screen to control them at the same time.

For details, see [\[Multiple Cameras Screen\]](#) in this document.

[Group Control] screen

This screen allows you to have the same operation take place across multiple cameras simultaneously.

For details, see [\[Group Control Screen\]](#) in this document.

[Preset] tab

This screen allows you to control a single or multiple cameras, primarily with presets.

For details, see [\[Preset Screen\]](#) in this document.

Box Style Camera Operation

The PTZ Control function also supports the box style cameras AW-UB10/AW-UB50.

Supported items are marked with a circle in the table below.

	Camera image display	Tally	REC Start/Stop	Pan/Tilt	Zoom	Focus
AW-UB10		○	○ (*1)		○ (*1)	○ (*1)
AW-UB50		○	○ (*2)			○ (*2)

	Iris	Gain	WB	AWB	ABB	Shutter	ND
AW-UB10	○	○	○	○			
AW-UB50	○	○	○	○			

*1 : AW-UB10 Firmware version 2.0 or higher required

*2 : AW-UB50 Firmware version 2.0 or higher required

Please check the following website for firmware release status.

<https://eww.pass.panasonic.co.jp/pro-av/support/content/download/EN/top.html>

<NOTE>

- The box-style camera operation settings must be configured in advance. For details, please refer to "Box Style Camera settings" in the Device Manager function operation manual.

Single Camera (PTZ) Screen

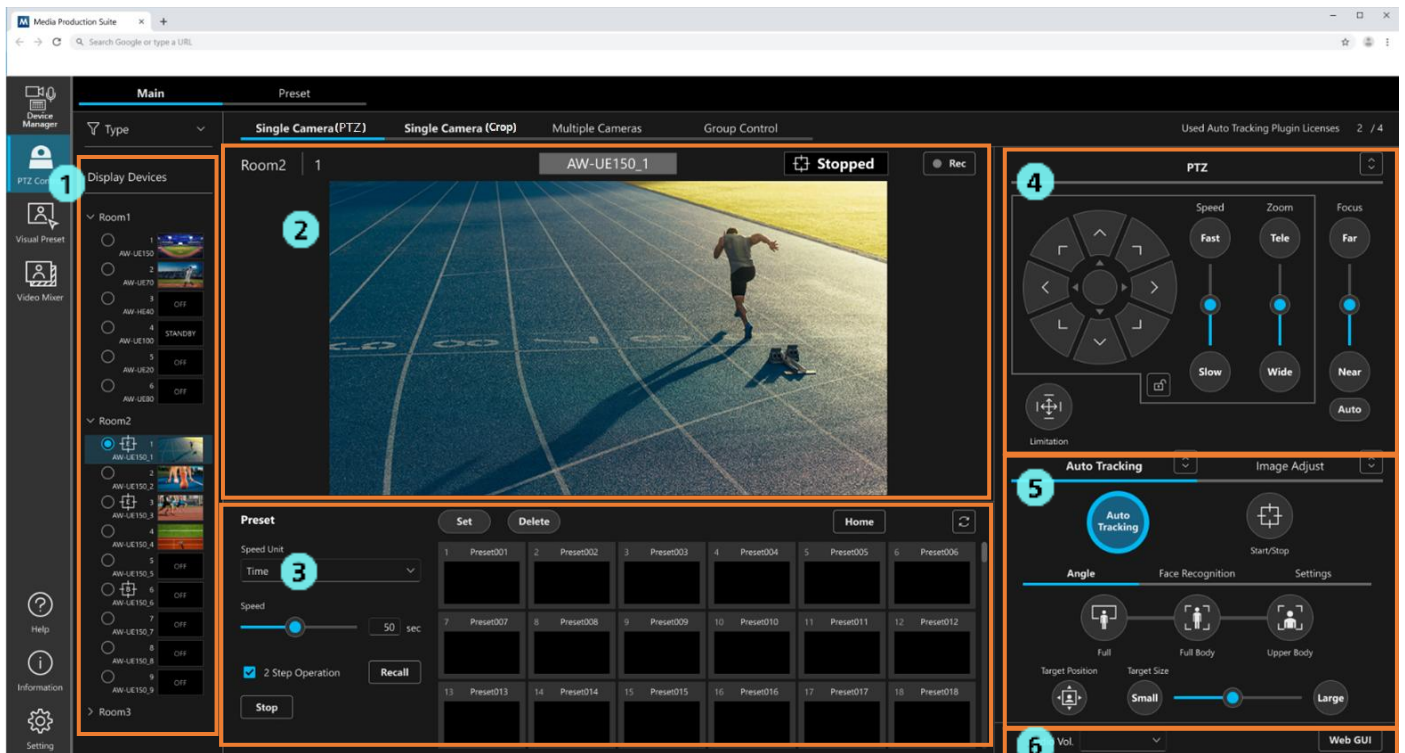
Screen Characteristics

This screen is used to perform operations on a single camera.

You can perform the following operation on this screen:

- Operate pan, tilt and zoom
- Operate presets
- Adjust focus/camera image quality
- Start/stop video recording
- Adjust audio volume
- Open the web screen
- Configuring and operating the Auto Tracking function

Screen Explanation



1. Camera selection area

Select the camera you want to operate from the tree on this screen.

2. Camera view area

This shows information like the camera name and the video being recorded by the camera.

3. Preset operation area

You can operate camera presets.

4. Camera controller PTZ operator

You can operate camera pan, tilt and zoom, and focus.

5. Camera controller Auto Tracking/Image Adjust control panel

This area is split into the [Auto Tracking] tab and [Image Adjust] tab.

[Auto Tracking] tab

You can perform the Auto Tracking operation on the camera.

For details, refer to the Auto Tracking plug-in Operation Manual.

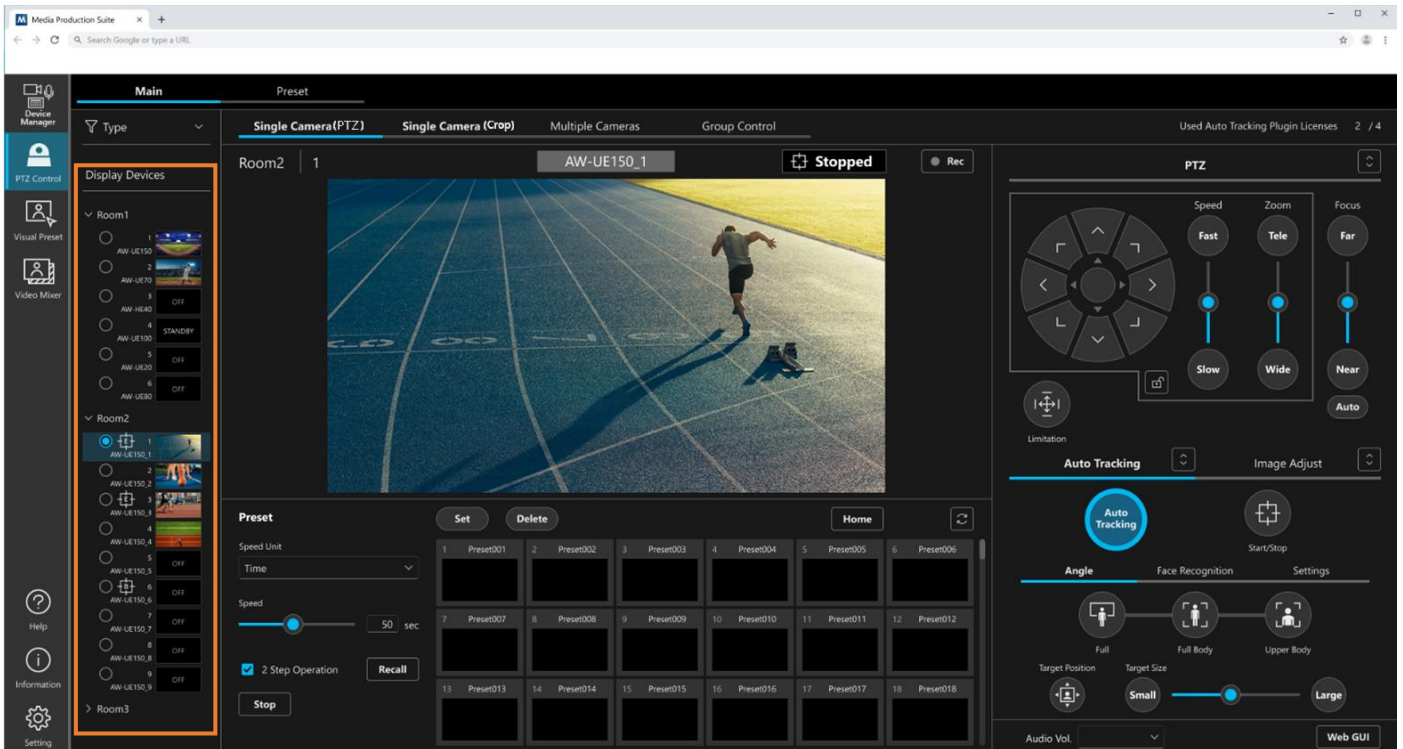
[Image Adjust] tab

You can adjust the camera image quality.

6. Audio volume adjuster and web screen display operator

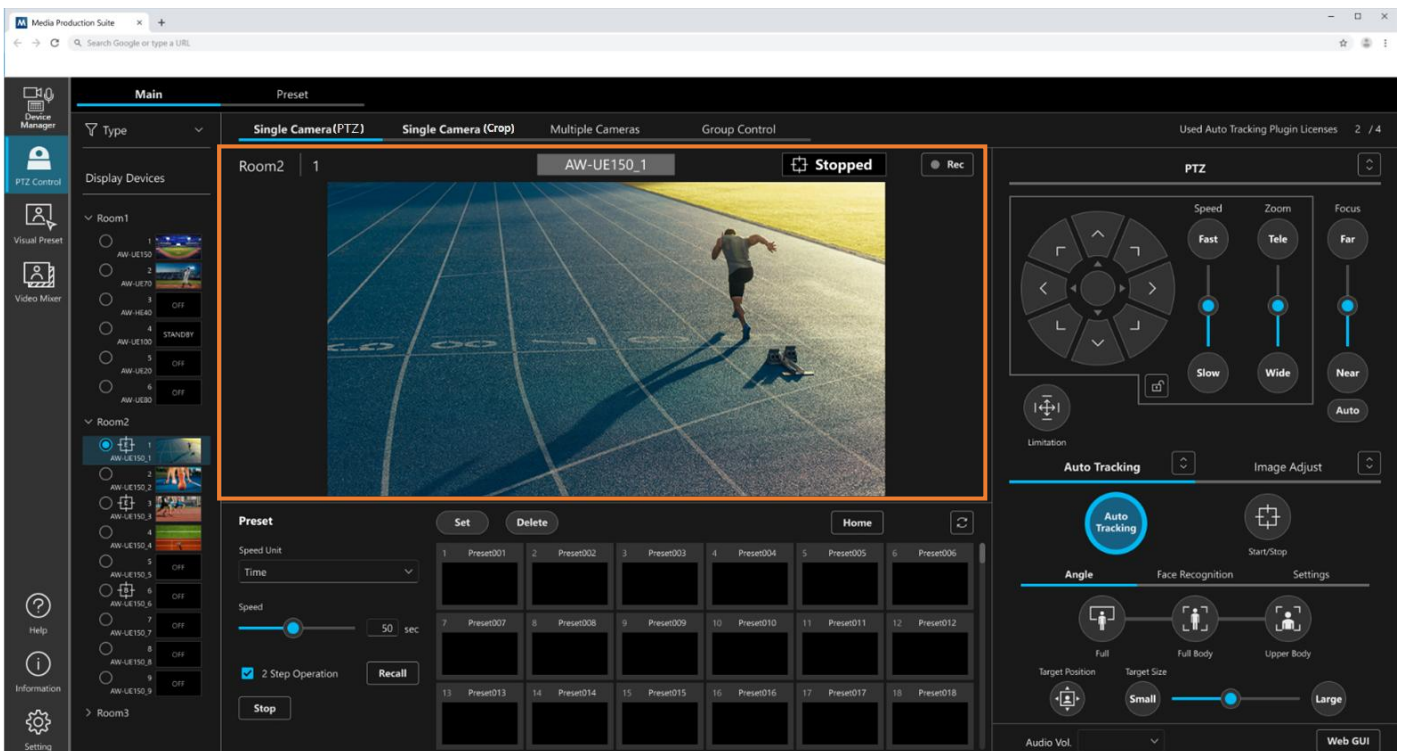
You can adjust camera audio volume and display the web screen.

Select Camera to Operate



Select the camera you want to operate from the camera selection area (area in the above figure surrounded by a bounding box).

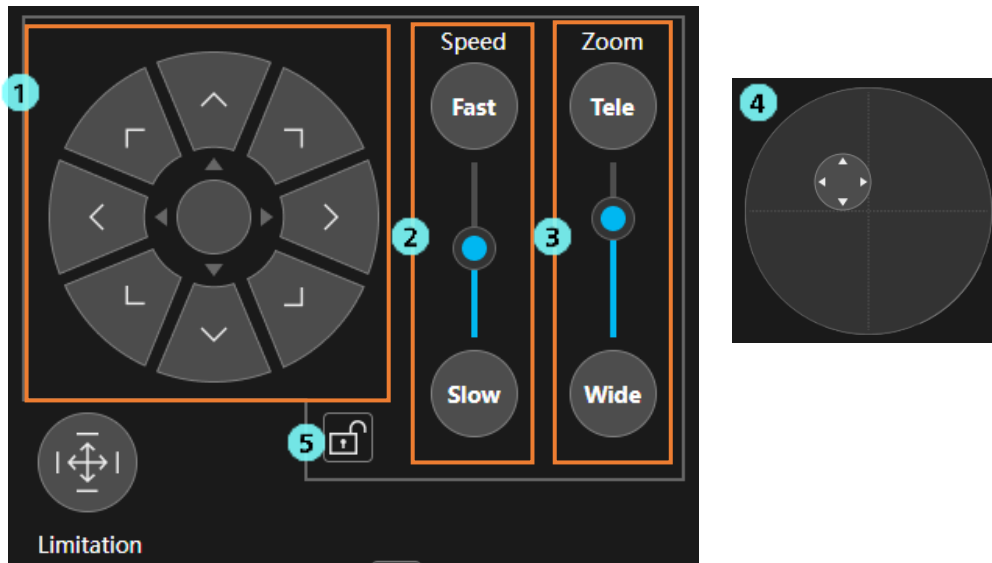
Camera view area



This shows information like the camera image, camera model name, auto tracking status and the video status being recorded by the camera.

Pan, Tilt and Zoom Camera

Pan, Tilt and Zoom With the Camera Controller



1. Pan/Tilt operator

Pressing any of the directional buttons will pan and tilt the camera in that direction.

Click the round button in the middle to switch to joystick mode (Fig. ④ above).

2. Pan/Tilt/Zoom speed setting slider/button

The speed of panning, tilting and zooming can be set with a slider or a button.

3. Zoom operation slider/button

Clicking and dragging the knob on the slider, or holding the [Tele] or [Wide] button down, will change the zoom position of the camera.

If the camera is not compatible with zoom position controls, the Zoom operator slider will not be shown and movement direction will only be controllable with the [Tele] and [Wide] buttons.

The Auto button is reserved for future expansions. It is not supported in the current version.

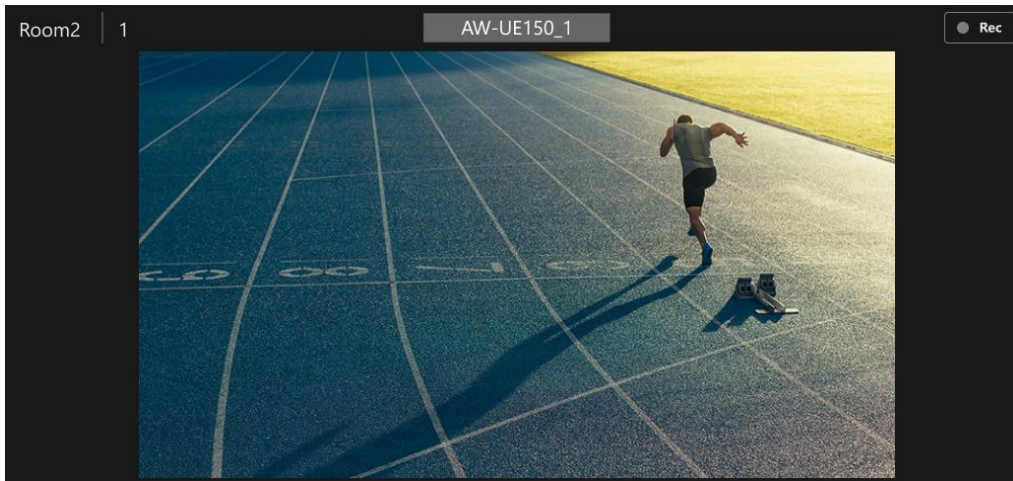
4. Pan/Tilt operator (during joystick mode)

Dragging the round button in a direction will allow you to pan and tilt the camera in that direction.

5. PTZ control lock button

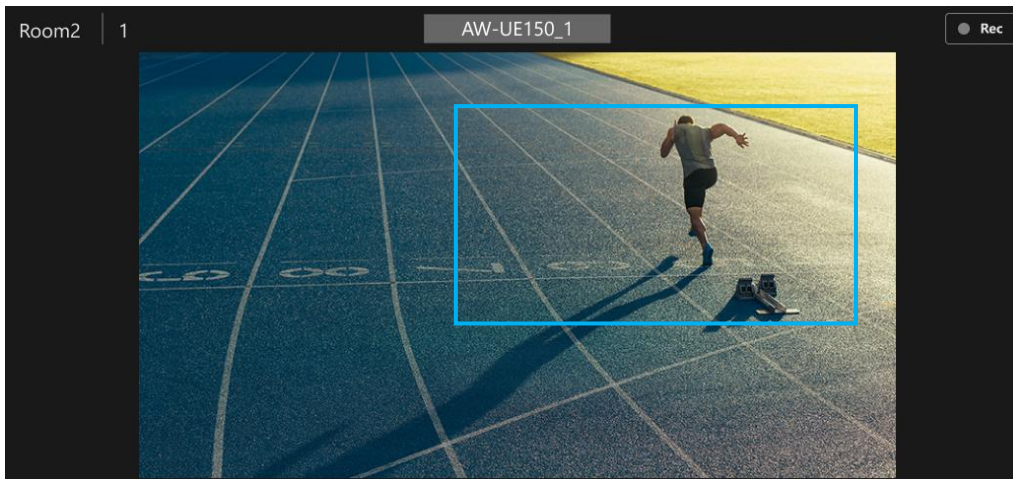
Turn the button ON to lock the operation in the [Manual Control] area.

Pan/Tilt by Designating a Position in the Video



Click anywhere in the camera's video to pan and tilt the camera with that position as the center of focus.

Pan/Tilt/Zoom to Record the Range Specified in the Video



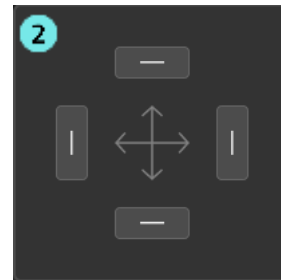
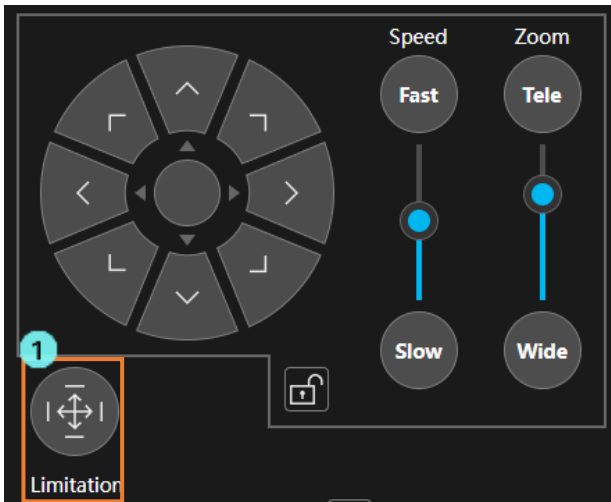
Click and drag the mouse over the camera's view to display a square shape in the video.

Letting go of the mouse button while the square shape is displayed will set that as a range of recording in which the camera pans, tilts and zooms.

Zoom with the Mouse Wheel

Use the mouse wheel while hovering over the camera's view to zoom that camera in and out.

Configuring Pan/Tilt Range



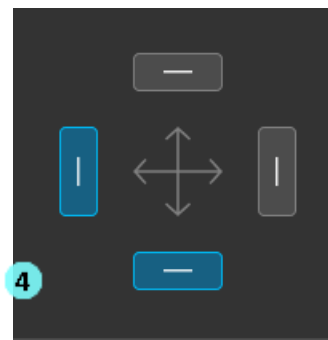
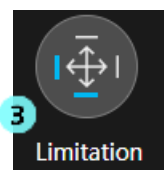
Click the [Limitation] button (Fig. 1 above) in the PTZ control panel to display the Pan/Tilt range setting panel (Fig. 2 above).

Click any of the direction buttons on the control panel to turn it ON and save the current camera position in the camera as the movement range limit position in that direction. If you click the button again to turn it OFF, the saved movement range limit position is erased.

If the movement range limit position has been set, the Limitation icon changes as shown below.

The blue lines within the icon indicate that the movement range limit position has been set in the corresponding direction.

In the examples shown in Figs. 3 and 4 below, the movement range limit position has been set in the left and downward direction.

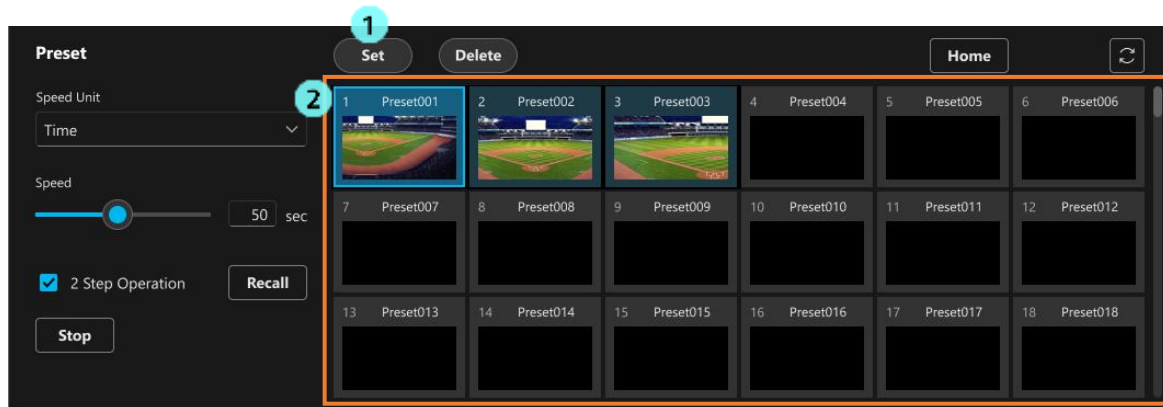


Configuring Camera Presets

You can register presets such as camera positions and call them up at any time.

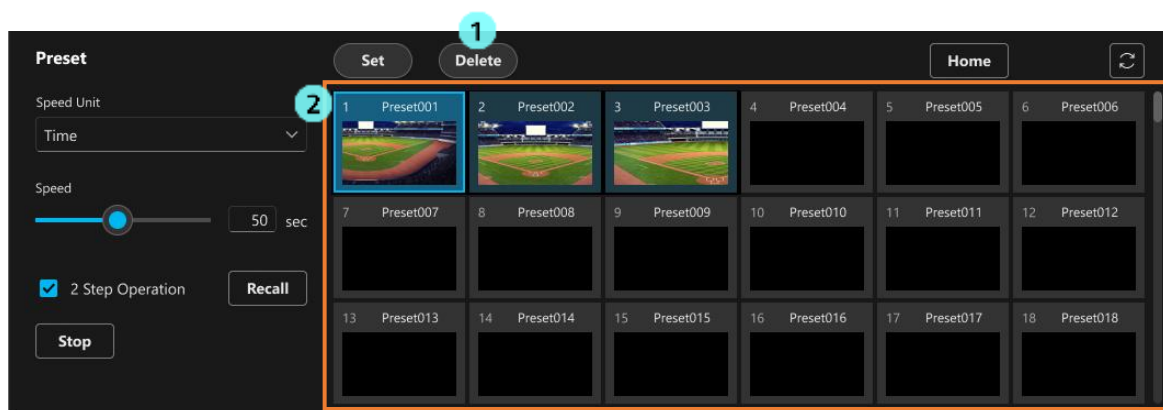
- Up to 100 presets can be registered.
- Preset contents are stored in the camera.

Registering Presets



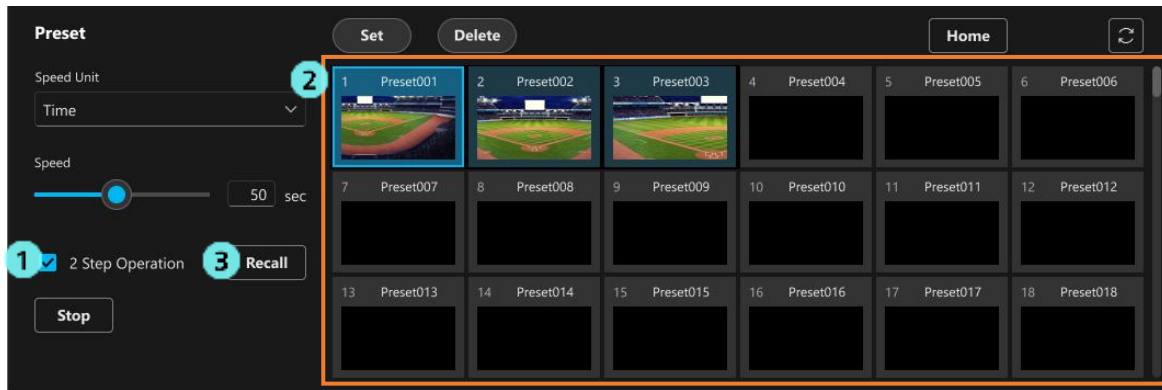
1. Click the [Set] button in the preset operator to turn the button ON.
2. Click the preset number's thumbnail of the preset you want to register from the preset list display area.
3. The preset will be registered.

Deleting Presets



1. Click the [Delete] button in the preset operator to turn the button ON.
2. Click the preset number's thumbnail of the preset you want to delete from the preset list display area.
3. The preset will be deleted.

Calling Presets



Presets can be called using either of the two following methods.

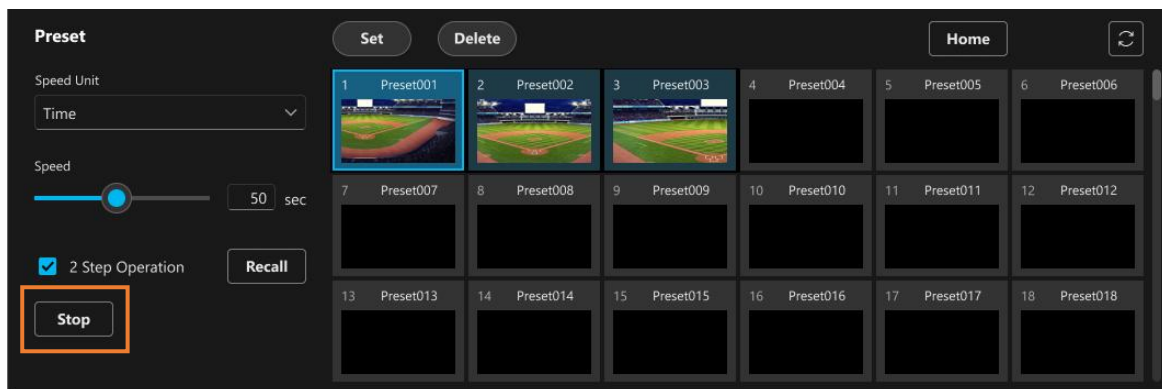
1) Click a preset number's thumbnail to call it immediately.

1. Uncheck the [2 Step Operation] checkbox.
2. Click the preset number's thumbnail of the preset you want to call from the preset list display area to call that preset.

2) After clicking a preset number's thumbnail and selecting it, click the [Recall] button to call it

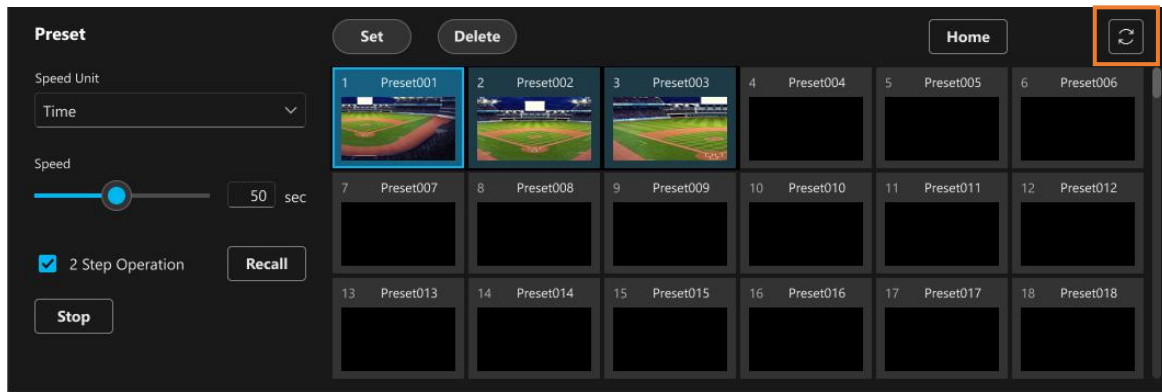
1. Check the [2 Step Operation] checkbox.
2. Click the preset number's thumbnail of the preset you want to call from the preset list display area.
3. Click the [Recall] button to call a preset.

Cancelling Preset Calls



Click the [Stop] button during the calling of a preset to cancel the calling of that preset.

Updating Preset to Latest

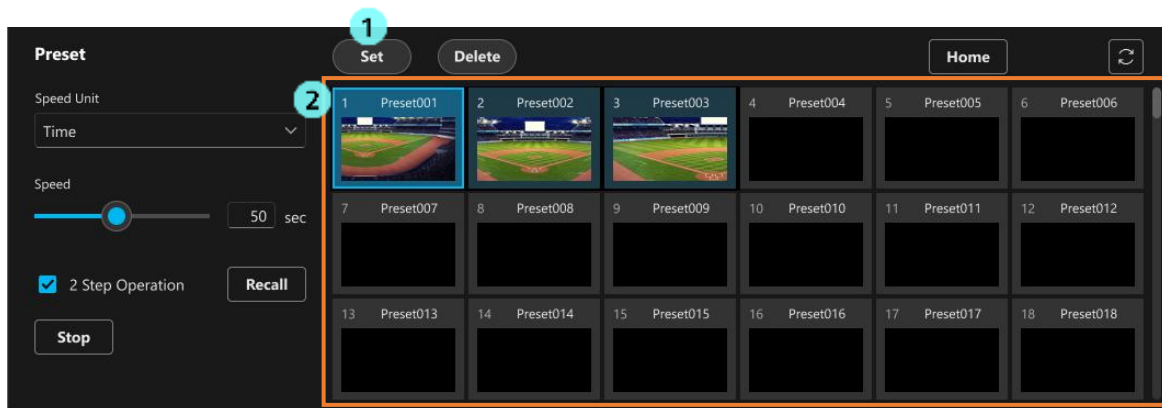


Click the preset update button (area in the above figure surrounded by a bounding box) to load the latest preset from the camera and update the screen display.

<NOTE>

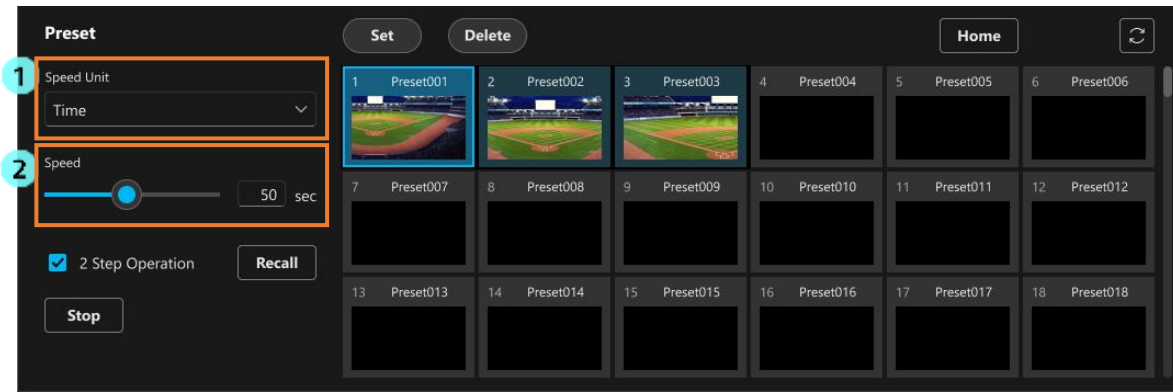
- Camera preset information registered for the first time and preset information registered with other software will not automatically display, so follow this procedure to change the preset information display.

Changing Preset Names



1. Click the [Set] button in the preset operator to turn the button ON.
2. Click the preset number's name of the preset you want to change names for from the preset list display area.
3. This will make the name editable, so change the name.
4. Change the focus to another control to confirm that name.

Configuring Preset Movement Speed



1. With [Speed Unit], you can select the unit used for preset movement speed.

Speed Table (Fast)

The speed table value (fast) set for the camera is the unit.

The higher the value, the higher the movement speed will be.

Speed Table (Slow)

The speed table value (slow) set for the camera is the unit.

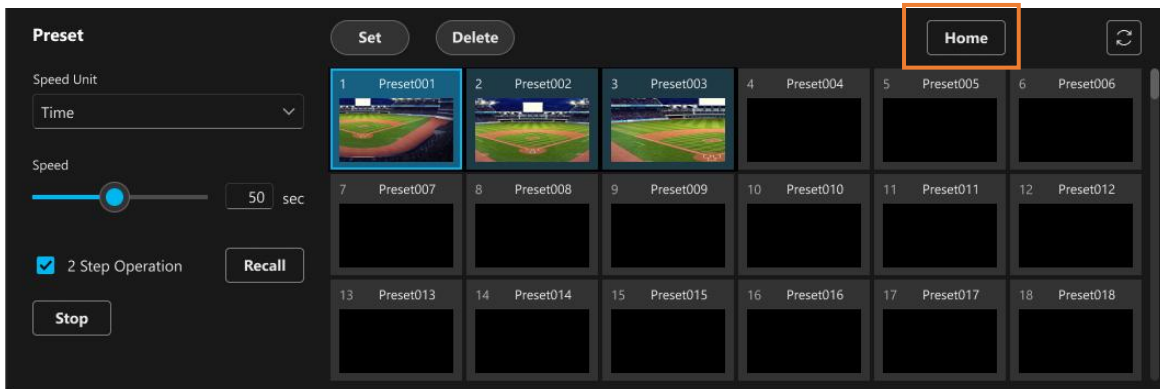
The higher the value, the higher the movement speed will be.

Time

The number of seconds required from the start of the preset to the end of the preset is the unit.

2. Set the preset movement speed with the [Speed] setting slider or directly with the input value.

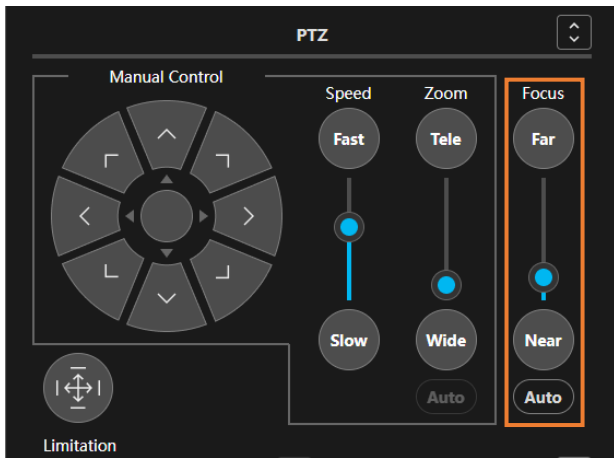
Calling Home Position



Click the [Home] button (area in the above figure surrounded by a bounding box) to call the camera's home position.

Adjusting Focus/Camera Image Quality

Adjusting Focus



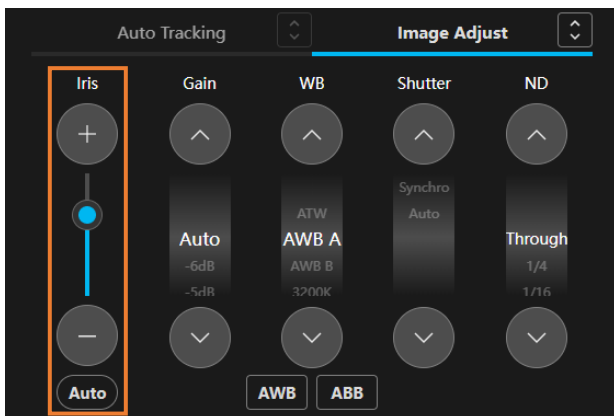
The Focus for the camera can be adjusted with the Focus part (area in the above figure surrounded by a bounding box) in the camera controller PTZ operator.

Click and drag the knob on the slider, or push the [Far] or [Near] button, to change the focus position of the camera. Click the [Auto] button to turn the camera's Auto Focus Function ON and OFF.

<NOTE>

- If the focus position changes on the camera, the position of the knob on the slider will change automatically to align with that.

Adjusting Iris



The Iris for the camera can be adjusted with the Iris part (area in the above figure surrounded by a bounding box) in the camera controller Image Adjust operator.

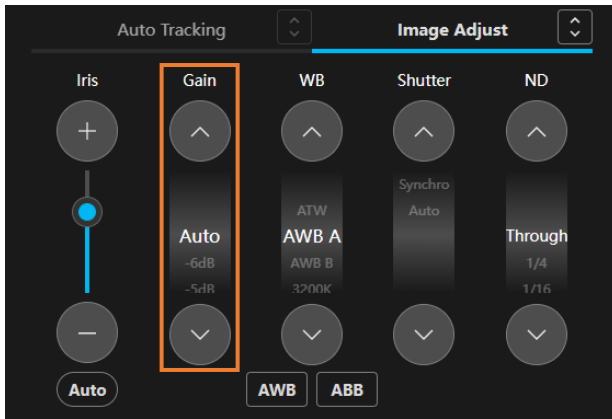
Click and drag the knob on the slider, or push the [+] or [-] button, to change the iris position of the camera.

Click the [Auto] button to turn the camera's Auto Iris Function ON and OFF.

<NOTE>

- If the iris position changes on the camera, the position of the knob on the slider will change automatically to align with that.

Configuring Gain



The Gain for the camera can be configured with the Gain part (area in the above figure surrounded by a bounding box) in the camera controller Image Adjust operation part.

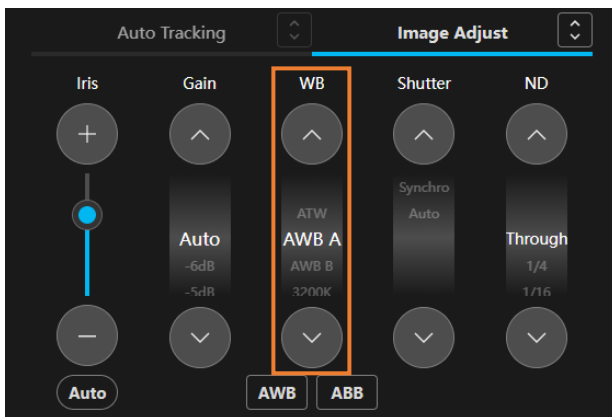
Click the up and down arrow buttons to change setting values.

Click a displayed setting value to display a list of settable values, from which you can select setting values directly.

<NOTE>

- If setting values change on the camera, the displayed setting value will change automatically to align with that.

Configuring White Balance Mode



The White Balance mode for the camera can be configured with the WB part (area in the above figure surrounded by a bounding box) in the camera controller Image Adjust operator.

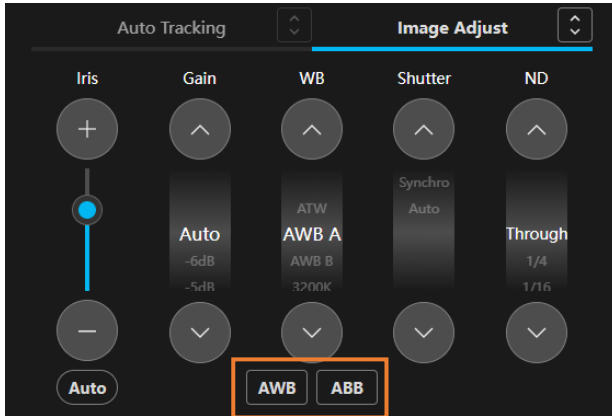
Click the up and down arrow buttons to change setting values.

Click a displayed setting value to display a list of settable values, from which you can select setting values directly.

<NOTE>

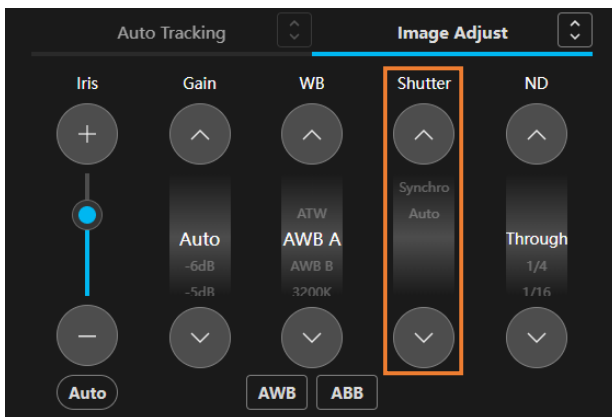
- If setting values change on the camera, the displayed setting value will change automatically to align with that.

Executing AWB/ABB



Click the [AWB] button in the camera controller Image Adjust operator to execute AWB on the camera. Click the [ABB] button to execute ABB on the camera.

Configuring Shutter Mode



The Shutter mode for the camera can be configured with the Shutter part (area in the above figure surrounded by a bounding box) in the camera controller Image Adjust operator.

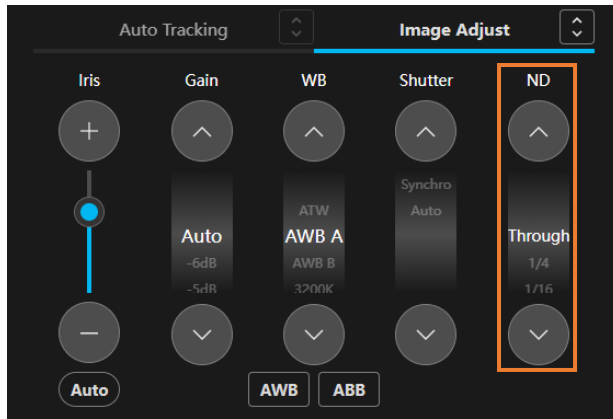
Click the up and down arrow buttons to change setting values.

Click a displayed setting value to display a list of settable values, from which you can select setting values directly.

<NOTE>

- If setting values change on the camera, the displayed setting value will change automatically to align with that.

Configuring ND Filter



The ND Filter for the camera can be configured with the ND part (area in the above figure surrounded by a bounding box) in the camera controller Image Adjust operator.

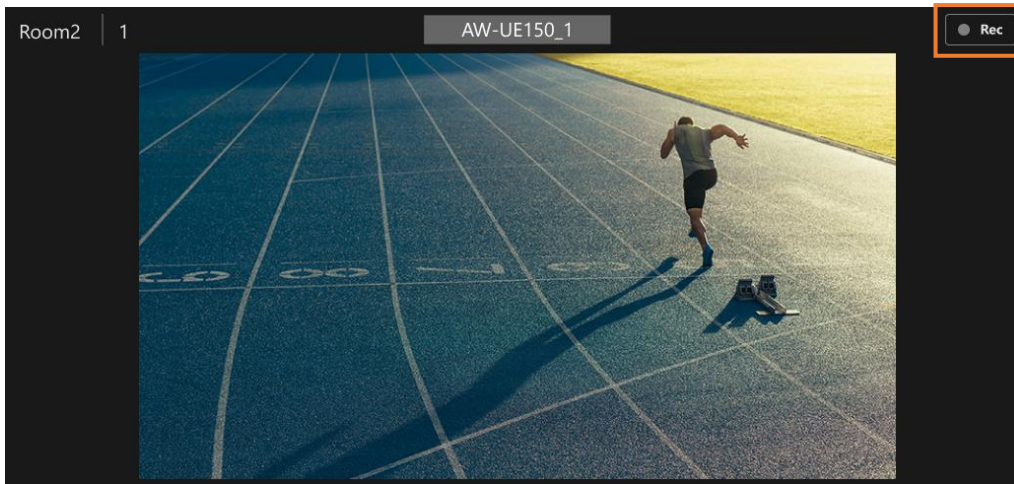
Click the up and down arrow buttons to change setting values.

Click a displayed setting value to display a list of settable values, from which you can select setting values directly.

<NOTE>

- If setting values change on the camera, the displayed setting value will change automatically to align with that.

Starting/Stopping Camera Video Recording



If the camera supports the video recording function, you can click the [Rec] button (area in the above figure surrounded by a bounding box) in the camera video area to start and stop video recording on the camera.

Adjusting Camera Audio Volume



The audio volume for the camera can be adjusted with the audio volume adjuster (area in the above figure surrounded by a bounding box) in the lower part of the camera controller.

If the camera supports multiple audio channels, the volume value for Channel 1 will be displayed and settings will be applied to both Channel 1 and 2.

Opening Camera Web Screen



Click the [Web GUI] button in the lower portion of the camera controller to open a camera's web screen with a web browser.

Configuring and Controlling the Auto Tracking Function

About the Auto Tracking function

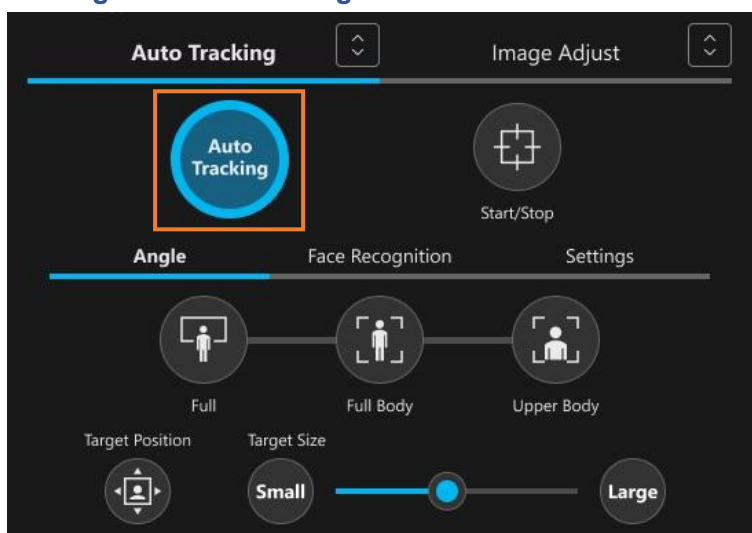
This function allows a camera to automatically detect and track a subject.

You can select whether to use the Auto Tracking function (hereinafter, called PC Auto Tracking) using a PC based on the AW-SF100/200/202/203 license, or the Auto Tracking function built into the camera^{*1} (hereinafter, called Built-In Auto Tracking) from the Tracking Type item on the Detail Setting window.^{*2}

*1: AW-UE30/40/43/50/53/80/83/150A/158/148

*2: If there is no activated AW-SF100/200/202/203 license, Built-In Auto Tracking is used automatically.

Turning the Auto Tracking function ON/OFF



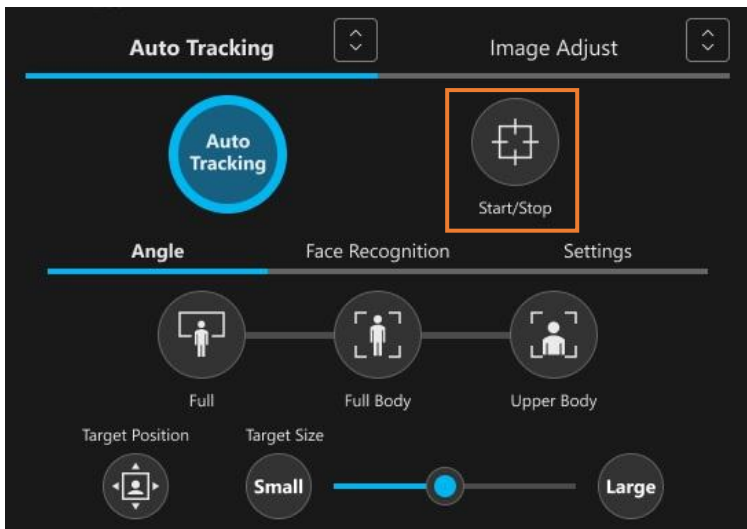
You can turn the Auto Tracking Function ON/OFF with the [Auto Tracking] button (enclosed within a frame in the figure above) in the Auto Tracking control panel of the camera controller.

<NOTE>

- If the Auto Tracking function is switched between ON and OFF from the camera, the display of the [Auto Tracking] button also changes automatically in accordance with it.

However, if PC Auto Tracking based on the AW-SF100/200/202/203 license is used, the Auto Tracking function cannot be switched between ON and OFF from the camera.

Starting and stopping the Auto Tracking operation



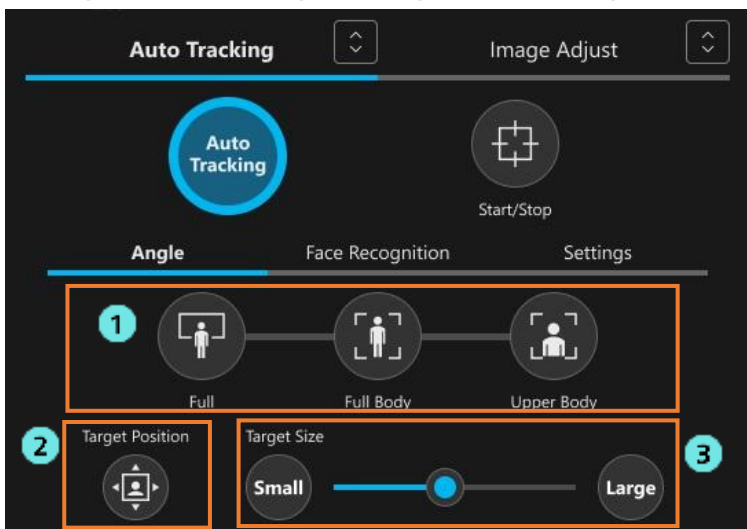
You can start or stop the camera movement using Auto Tracking with the [Start/Stop] button (enclosed within a frame in the figure above) in the Auto Tracking control panel of the camera controller.

<NOTE>

- If the status of camera movement using Auto Tracking is changed from the camera, the display of the [Start/Stop] button also changes automatically in accordance with it.

However, if PC Auto Tracking based on the AW-SF100/200/202/203 license is used, the Auto Tracking function cannot be switched between ON and OFF from the camera.

Setting the camera angle during Auto Tracking



You can set the camera angle during Auto Tracking with the [Full] button/[Full Body] button/[Upper Body] button (Fig. 1 above) under the [Angle] tab in the Auto Tracking control panel of the camera controller.

[Upper Body] button is ON

The angle is automatically adjusted so that the upper half of the subject's body is in the screen.

[Full Body] button is ON

The angle is automatically adjusted so that the subject's entire body is in the screen.

[Full] button is ON

The angle is automatically adjusted so that the subject and the background are in the screen.

All buttons are OFF

The angle is not automatically adjusted. The angle can be adjusted from the Zoom control panel.

<NOTE>

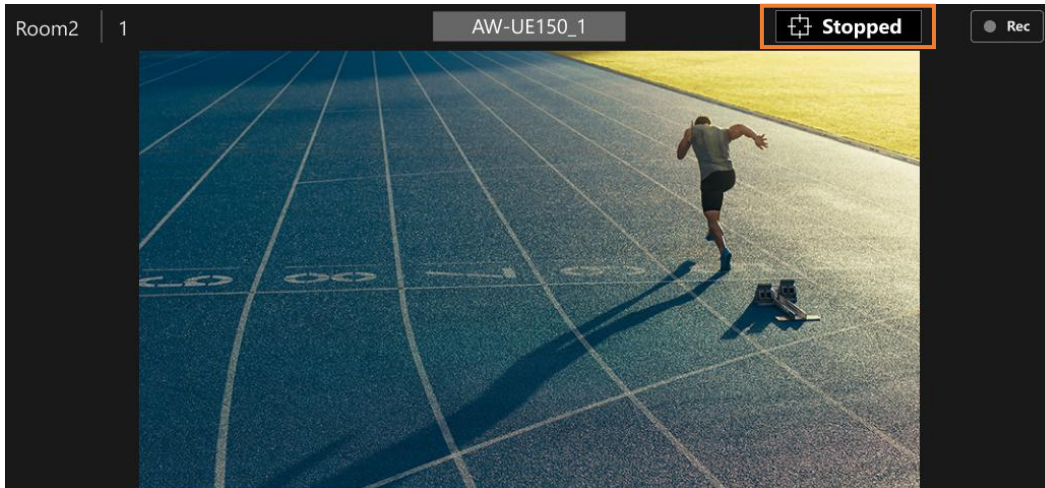
- If the angle setting is changed on the camera, the display of the button also changes automatically in accordance with it.

However, if PC Auto Tracking using the AW-SF100/200/202/203 license, the angle setting cannot be changed on the camera.

- When any of the [Full]/[Full Body]/[Upper Body] buttons is turned ON, the [Start/Stop] button in the Auto Tracking control panel of the camera controller automatically changes to the [Start] state which indicates the start of the camera movement by Auto Tracking.

The [Target Position] button (Fig. 2 above) and the [Target Size] button/slider (Fig. 3 above) are functions exclusive to PC Auto Tracking with the AW-SF100/200/202/203 license.

Checking the status during Auto Tracking



The tracking status during Auto Tracking is displayed at the top right of the camera view area.

Tracking

A subject has been detected and is being automatically tracked

Lost

The subject has been lost and is no longer being automatically tracked

Stopped

Auto Tracking is not performed because the Auto Tracking function is OFF or a subject has not been designated.

<NOTE>

- The tracking status is also shown in the device list view of the Device Manager function.

Single Camera (Crop) Screen

About the Crop Function

The Crop function allows you to cut out portions of a UHD (3840×2160) image.

Up to three Crop frames can be cut out from a single camera image.

(Only one Crop image can be output at a time.)

Screen Characteristics

This screen is used to perform operations of Crop functions on a single PTZ camera.

You can perform the following operation on this screen:

- Pan/Tilt/Zoom operation
- Preset operations
- Crop frame control operations
- Crop Preset operations
- Switching video output
- Focus / image quality adjustment
- Audio volume adjustment
- Opening the Web GUI
- Configuring and operating the Auto Crop Tracking function

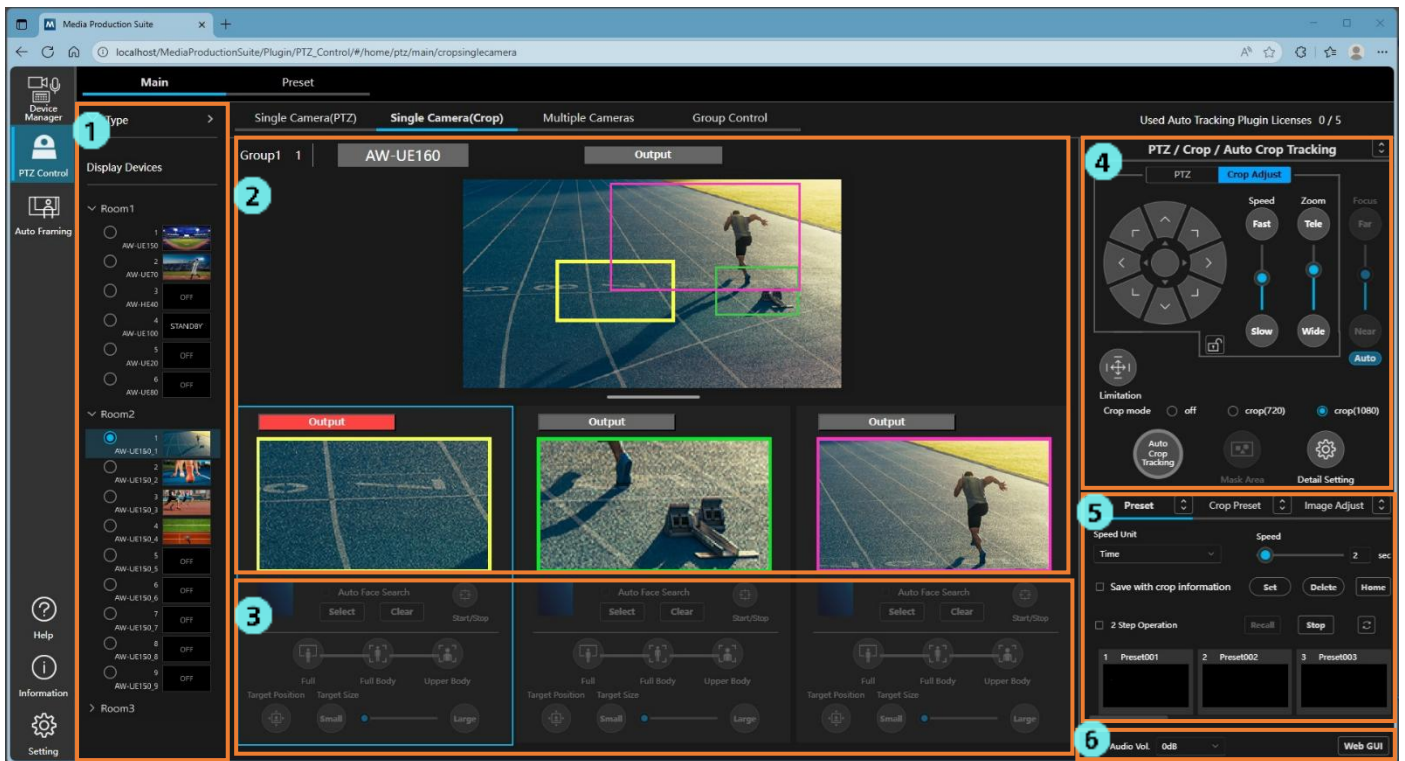
<NOTE>

- This screen is available only for cameras equipped with the Crop function.
- The following PTZ cameras of Panasonic supports the Crop function.

AW-UE160/UE163, AW-UE150A/UE158/UE148, AW-UE150/UE155/UN145, AW-UE100, AW-UR100

(As of Jan 2026)

Screen Explanation



1. Camera selection area

Select the camera you want to operate from the tree shown on this screen.

Only cameras equipped with the Crop function can be selected.

2. Camera view area (Full / Crop Images)

This area displays:

- The Full image (entire camera image)
- The camera model name
- Video output status
- Crop images (Yellow, Green, Magenta frames)

To distinguish between the camera's original image and the Crop images, the original image is referred to as the "Full image."

3. Auto Crop Tracking area

You can configure face recognitions and angle settings for each Crop frame.

To use the Auto Crop Tracking function, an AW-SF100/200/202/203 license is required.

For details, refer to the Auto Tracking plug-in operation manual.

4. Camera Controller Area (PTZ / Crop Adjust / Crop Settings)

You can operate pan, tilt, zoom and focus of the camera, horizontal, vertical and zoom operations

for each Crop frame, adjust image quality, and configure Crop-related functions including Auto Crop Tracking.

5. Preset / Crop Preset / Image Adjust control panel

This area is split into the [Preset] tab, [Crop Preset] tab and [Image Adjust] tab.

[Preset] tab

You can operate camera presets.

[Crop Preset] tab

You can operate Crop presets.

This function is based on the software, not a function of the camera.

[Image Adjust] tab

You can adjust the camera image quality.

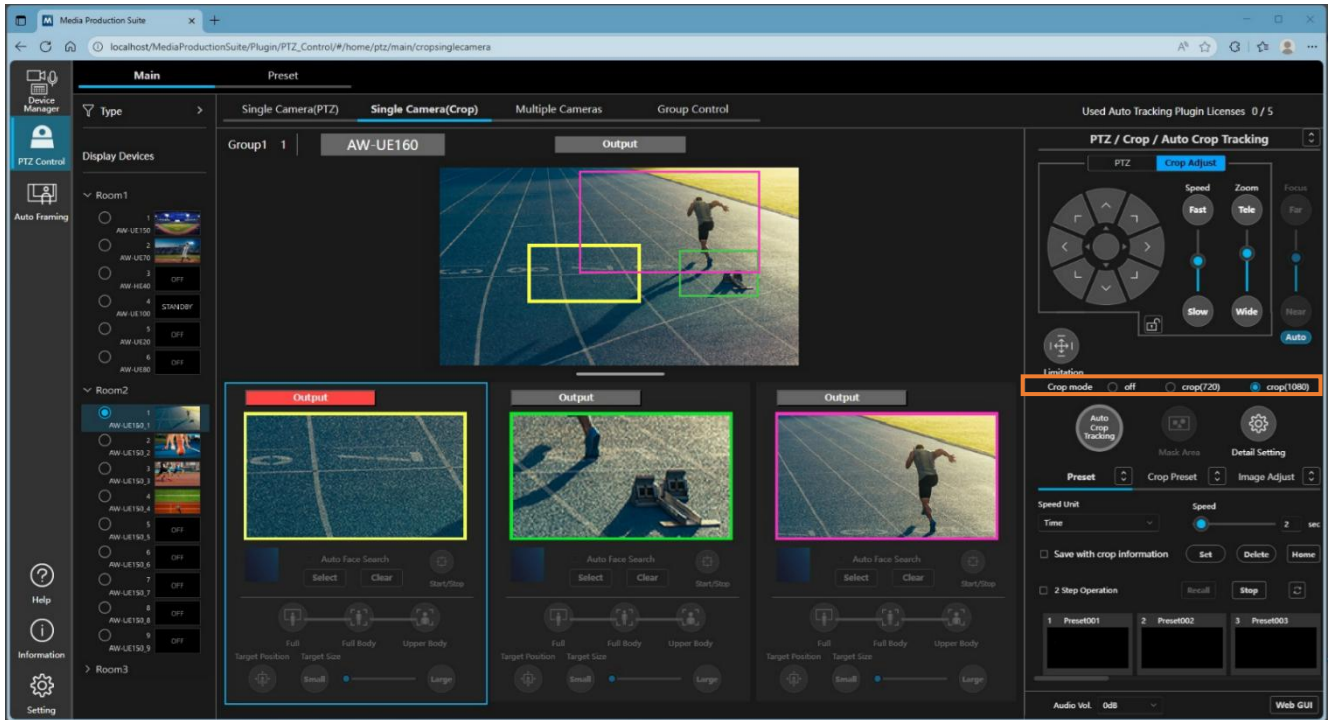
6. Audio volume adjuster and web screen display operator

You can adjust camera audio volume and display the web screen.

Preparation (Before Using the Crop Function)

To use the Crop function, perform the following in advance:

1. In the Device Manager function, register cameras that support Crop.
For details, refer to “Device Registration” in the Device Manager operation manual. *1 *2
2. In the Device Manager function, set the camera’s System Format to UHD (3840×2160). *3
3. In the Single Camera (Crop) screen, set UHD Crop Mode to either [Crop(1080)] or [Crop(720)].



<NOTE>

*1 : At software startup, IP (H.264/H.265) OUT1 [FULL, CROP] setting of the PTZ Camera is automatically configured to FULL.

To ensure proper operation of this software, please do not change this setting from FULL while using the software.

*2 : While this software is running, if UHD Crop Mode is set to [Crop(1080)] or [Crop(720)], the Output source will be automatically set to 3G SDI2 for the models listed below.

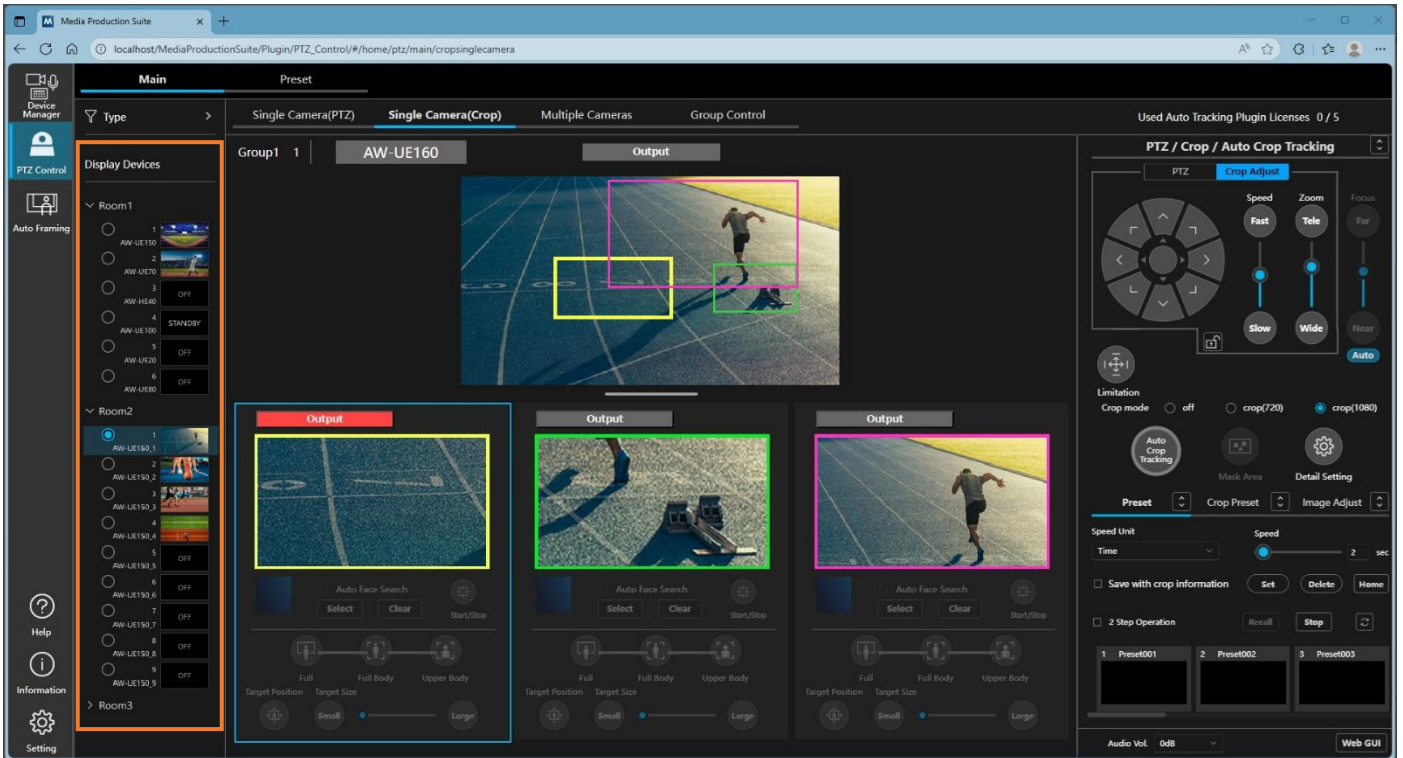
To ensure proper operation of this software, please do not change this setting from 3G SDI2 while using the software with UHD Crop Mode set to [Crop(1080)] or [Crop(720)].

AW-UE150A/UE158/UE148 (as of November 2025)

*3 : The selectable UHD Crop Mode options vary by system format.

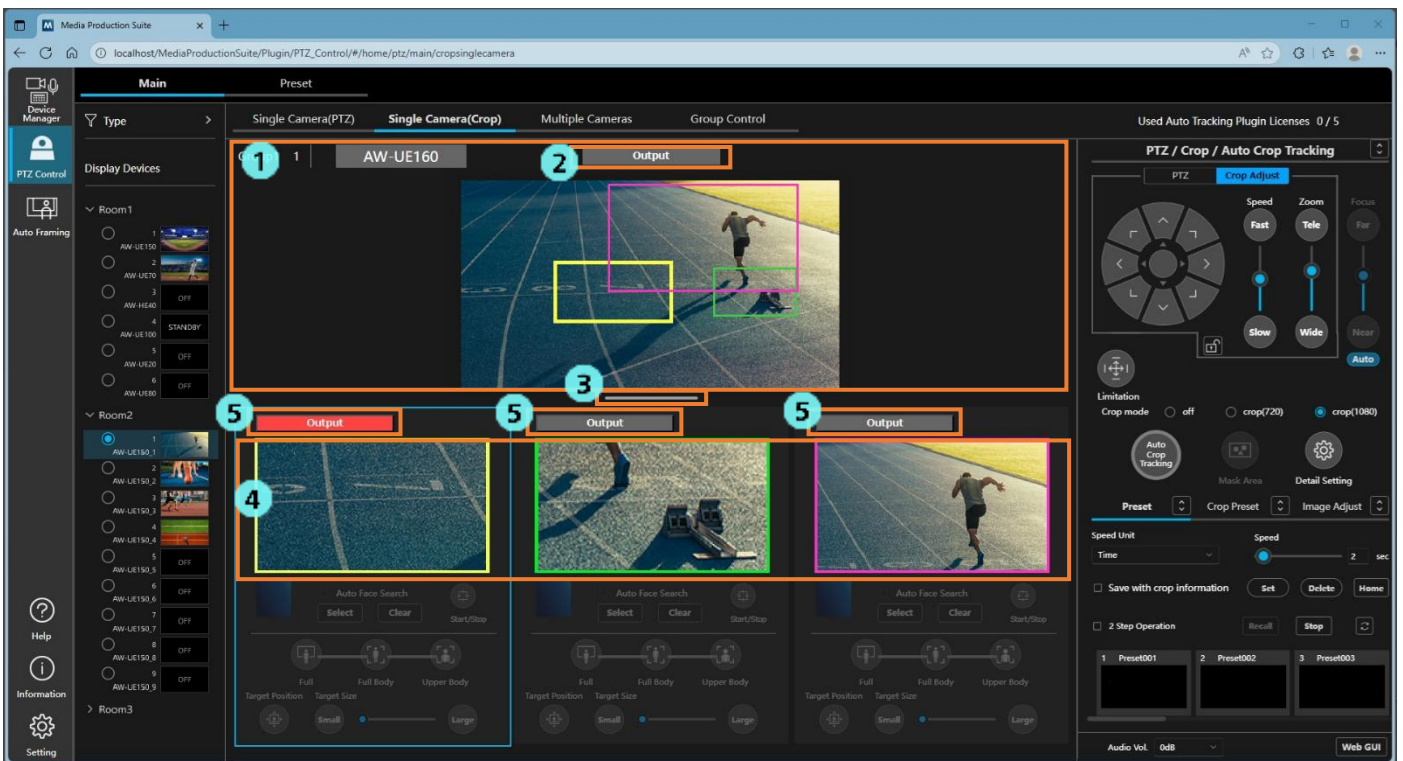
- UHD Crop Mode: Can be set to [Off], [Crop(1080)], or [Crop(720)].
Supported System Formats: [2160/59.94p], [2160/50p].
- UHD Crop Mode: Can be set to [Off] or [Crop(1080)].
Supported System Formats: [2160/60p], [2160/29.97p], [2160/25p], [2160/24p], and [2160/23.98p].

Select Camera to Operate



Select the camera you want to operate from the camera selection area (area in the above figure surrounded by a bounding box). Only cameras equipped with the Crop function can be selected.

Camera view area



1. Full camera view area

This shows information like the camera image, camera model name and the output status of Full image.

2. Full image output button

This indicates and controls whether the full image is currently being output.

When the Full image is being output, the button lights red. Clicking this button switches the output destination to the full image. This function allows you to immediately revert the video output from a Crop image back to the Full image.

<NOTE>

- Changing the output destination affects only the output destinations that are enabled in the Crop Output Select settings in the Detail Setting window. For details, refer to “[Setting the detailed functions of Crop functions](#)” in this manual.

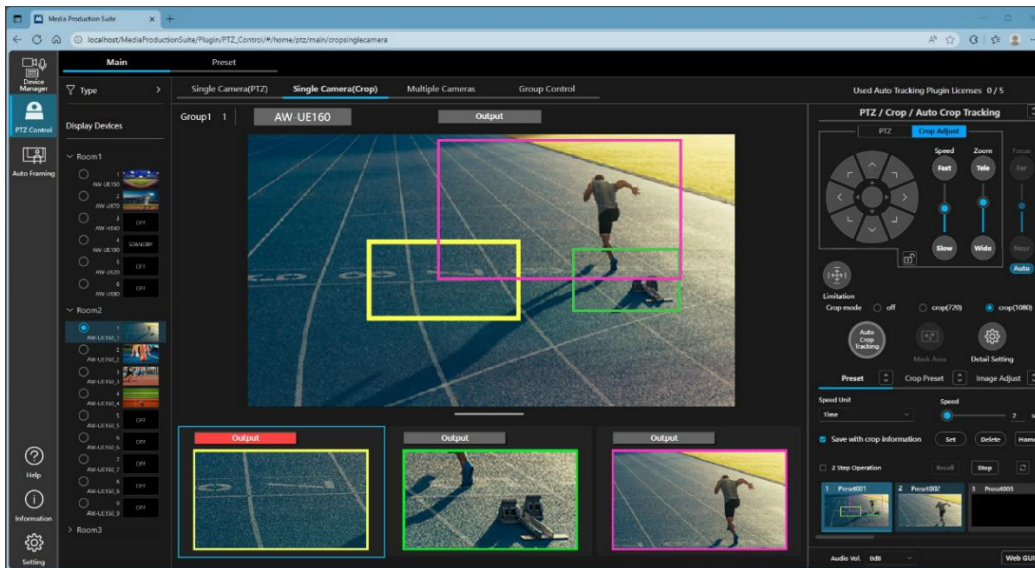
3. Full image size adjustment bar

This allows you to change the on-screen display size of the camera Full image.

Dragging the bar adjusts the display size of the Full image. Lowering the bar reduces the display elements shown on the screen.

When the bar is lowered, the following contents are hidden, providing a simplified view focused on video monitoring.

- Face recognition displays for each Crop frame
- Angle setting displays for each Crop frame



4. Crop images view area

This shows the images corresponding to the Yellow, Green, and Magenta of Crop frames.

Each Crop image reflects the current position and size of its respective Crop frame.

5. Crop image output buttons

When a Crop image (Yellow, Green, or Magenta) is being output, the Output button for the corresponding Crop frame lights red.

Clicking an Crop output button switches the video output destination to the associated crop image.

Only one image (Full or one Crop image) can be output at a time.

<NOTE>

- Changing the output destination affects only the output destinations that are enabled in the Crop Output Select settings in the Detail Setting window. For details, refer to “[Setting the detailed functions of Crop functions](#)” in this manual.

Setting the detailed functions of Crop functions



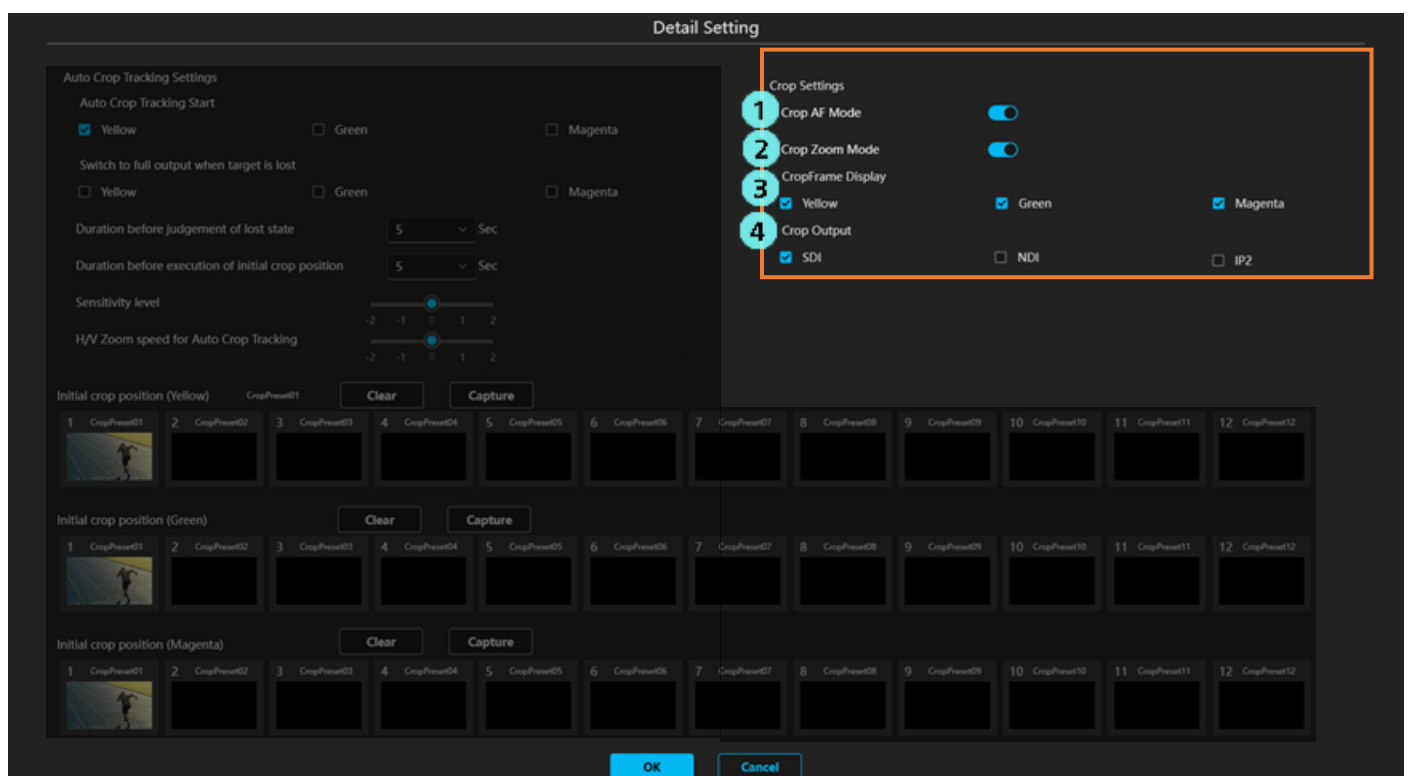
Click the [Detail Setting] button in the Camera Controller Area to open the Detail Setting window.

In this window, you can configure:

- Crop-related settings
- Output destination settings
- Auto Crop Tracking settings

<NOTE>

- Settings related to auto crop tracking behavior follow the specifications of the Auto Tracking plug-in. For details on tracking parameters, refer to the Auto Tracking plug-in Operation Manual.



1. Crop AF Mode

This enables or disables autofocus behavior for Crop images.

- Enabled

Auto focus is applied to the area of the currently output Crop frame.

Focus is adjusted based on the Crop image being output.

- Disabled

Auto focus behavior follows the Full image focus setting.

The focus position and focus mode set for the Full image are maintained, regardless of the output destination.

<NOTE>

- Depending on the camera model, Crop AF Mode may not be supported.

2. Crop Zoom Mode

This controls whether the size of a Crop frame can be changed.

- Enabled

The size of the selected Crop frame can be adjusted using Zoom operations.

- Disabled

The Crop frame size is fixed and cannot be changed.

This setting is useful when you want to lock the Crop frame size to maintain a consistent framing.

<NOTE>

- This functions is not supported for the following Panasonic PTZ camera models.
AW-UE150/UE155/UN145

3. Crop Frame Display

This controls whether Crop frames are drawn on the Full image.

- Enabled

Crop frames (Yellow, Green, Magenta) are overlaid on the Full image.

- Disabled

Crop frames (Yellow, Green, Magenta) are not overlaid on the Full image.

You can select which color frames are displayed by enabling or disabling the corresponding checkboxes.

These frames are displayed only on the application screen and are intended for visual reference.

<NOTE>

- The displayed Crop frames are software-based overlays.
They are not identical to the camera's hardware crop marker function and are not output as video.

4. Crop Output Select

This determines which image is output when the [Output] button is clicked (as the following image).

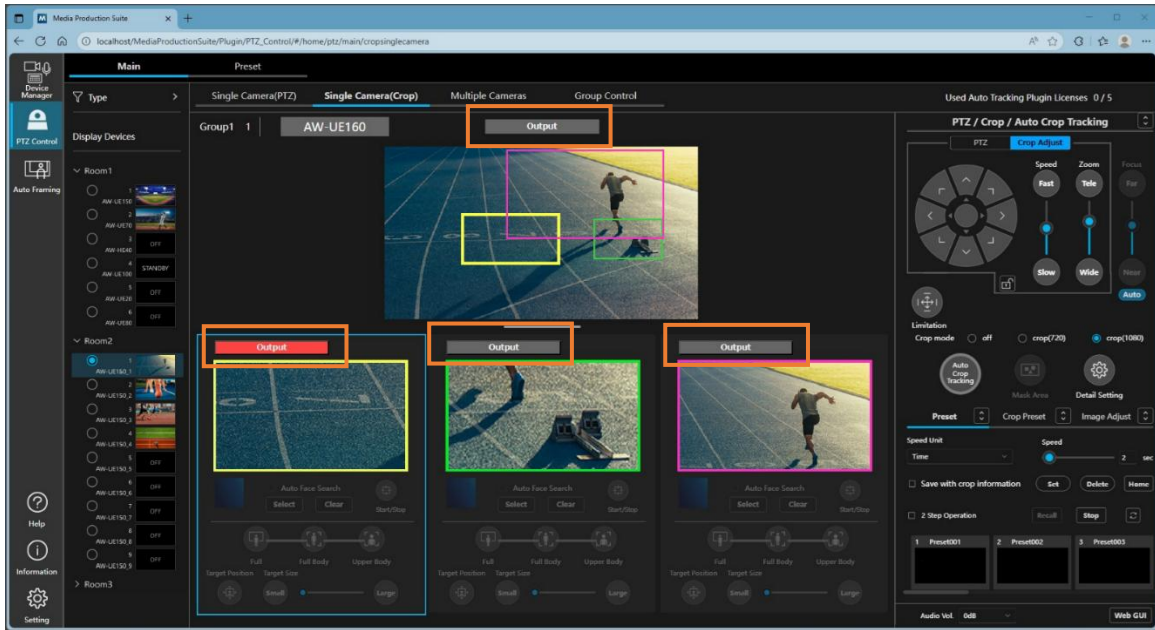
You can select the output destinations that can be switched by enabling their checkboxes.

When the [Output] button is clicked, only the enabled destinations (SDI, NDI, etc) are switched.

Only one image (either the Full image or one Crop image) can be output at a time.

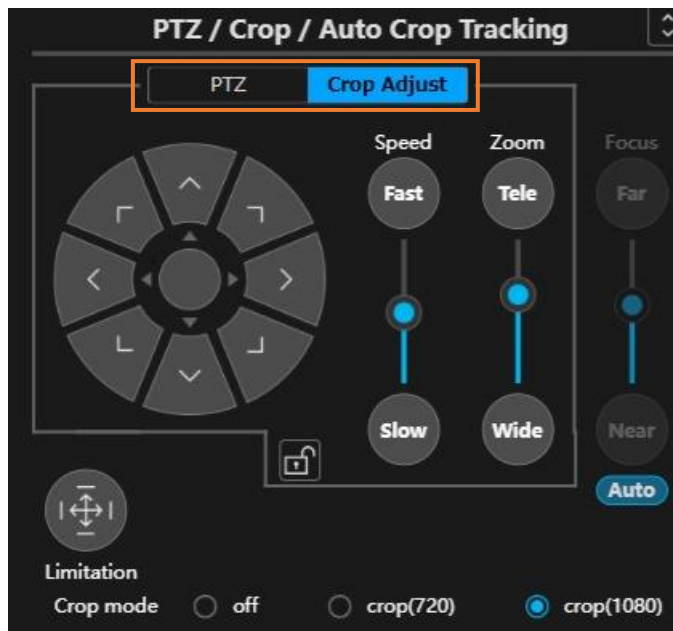
<NOTE>

- The available output destinations vary depending on the camera model.



Performing Camera Control and Operation

Selecting the operation target



Before performing control operations, select the target you want to operate.

Click the PTZ/Crop Adjust selection button (area enclosed by a frame in the figure above) to switch the operation target.

- PTZ

Select this option to operate the camera's Pan/Tilt/Zoom.

- Crop Adjust

Select this option to operate the H/V (horizontal/vertical) movement and Zoom of the selected Crop frame.

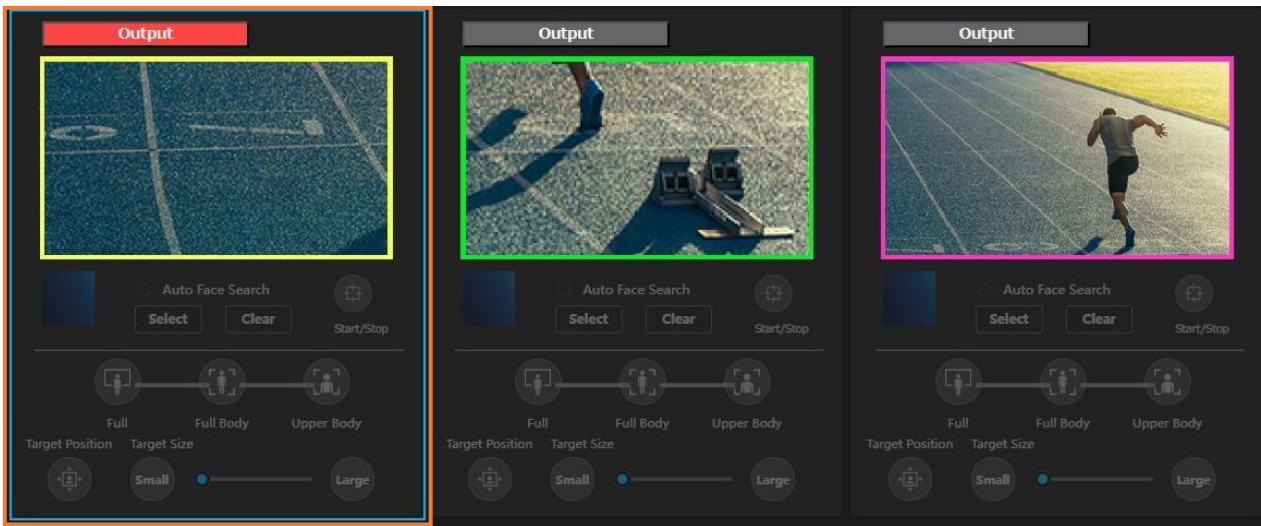
The selected operation target determines which controls are enabled in the Camera Controller Area.

Pan, Tilt and Zoom With the Camera Controller

When PTZ is selected with the PTZ/Crop Adjust selection button, you can perform the camera's pan, tilt, and zoom operations.

For details, refer to "[Pan, Tilt and Zoom Camera](#)" in this document.

Selecting the Crop Frame (CropAdjust Frame)



Before operating a Crop frame, select the Crop frame that you want to control (It calls CropAdjust frame).

Click a Crop image (Yellow, Green, or Magenta) in the Camera Image Area, or Face Recognition/Angle setting area excluding the buttons and a slider corresponding to a Crop frame.

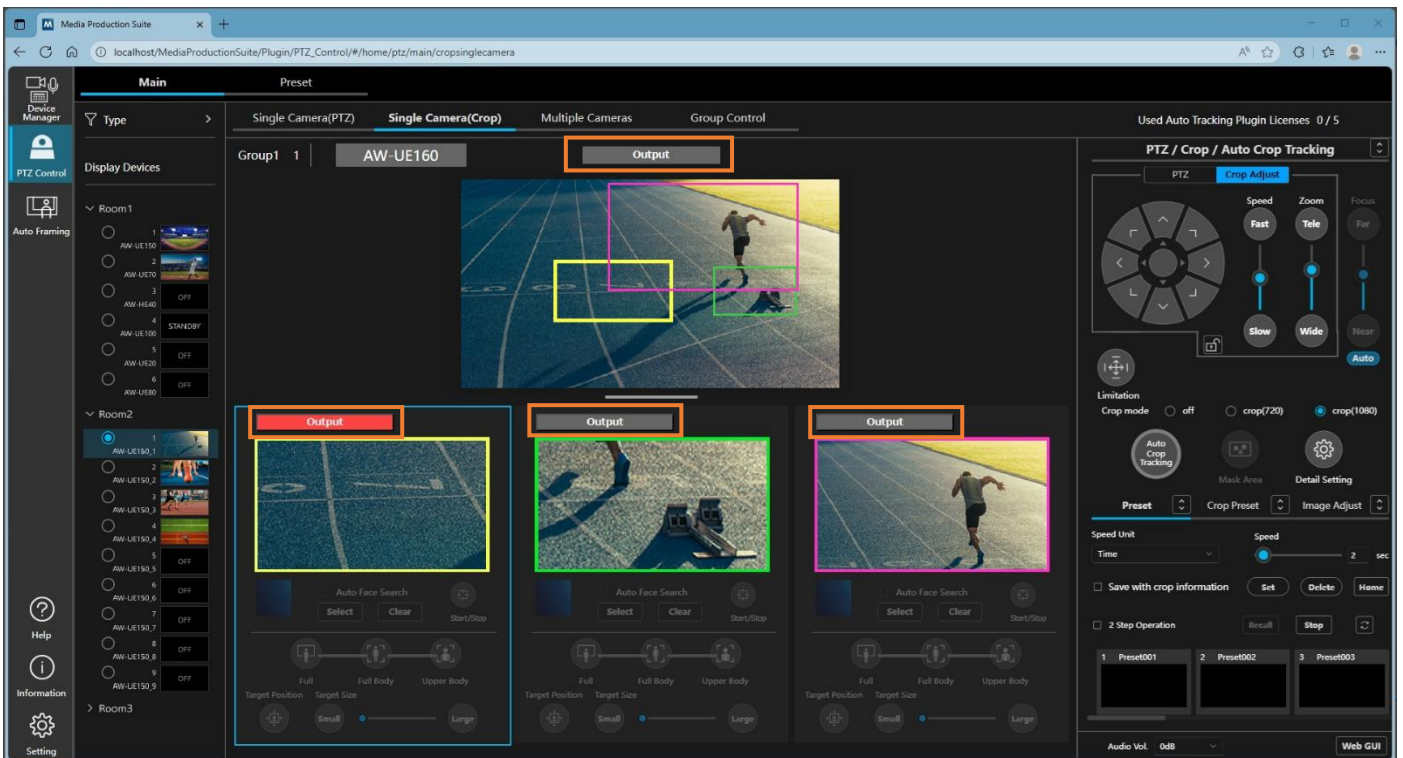
You can control the following items to CropAdjust frame.

- [[Performing H/V/Zoom Operations on a CropAdjust Frame](#)]
- [[Configuring Crop Presets](#)]

Switching the camera video output

When the [Output] button (PTZ) on this screen (area enclosed by a frame in the figure below) is clicked, the video output (Full/Crop) is switched only among the output destinations selected in [Crop Output Select] in the Detail Setting window.

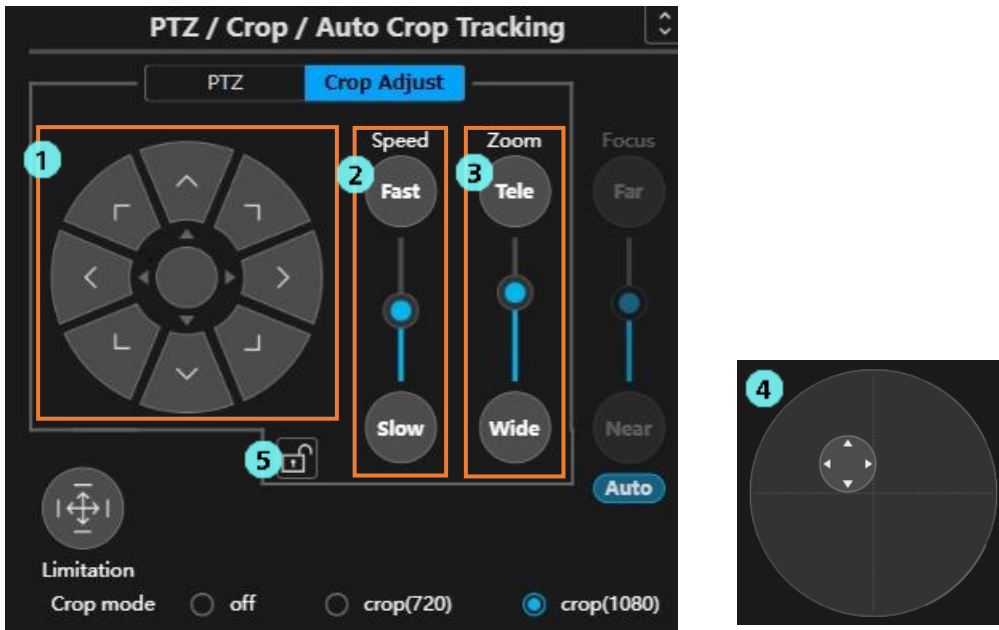
This function enables the construction of a simple video switching system using a single camera.



< NOTE >

- The supported video output destinations differ depending on the camera.

Performing H/V/Zoom Operations on a CropAdjust Frame



When Crop Adjust is selected with the PTZ/Crop Adjust selection button, you can perform H/V/Zoom operations on the CropAdjust frame.

1. H/V Operation Area for Crop Frames

Click any of the directional buttons moves the CropAdjust frame in the corresponding direction. Clicking the center round button switches the control mode to Joystick mode (see Figure 4).

2. H/V/Zoom Speed Setting Slider / Buttons for Crop Frames

You can set the movement speed for Crop frame H/V movement and Zoom operations using the slider or buttons. Adjust the speed according to the precision required for framing.

3. Zoom Operation Slider / Buttons for Crop Frames

Dragging the Zoom slider knob, or pressing the [Tele] / [Wide] buttons, changes the Zoom position of the selected Crop frame.

<NOTE>

- This function is not supported by the following Panasonic remote camera models:
AW-UE150 / AW-UE155 / AW-UN145 (As of September 2025)

4. H/V Operation Area for Crop Frames (Joystick Mode)

By dragging the round button in any direction, you can move the CropAdjust frame in the horizontal and vertical directions.

This mode allows intuitive adjustment of the Crop frame position.

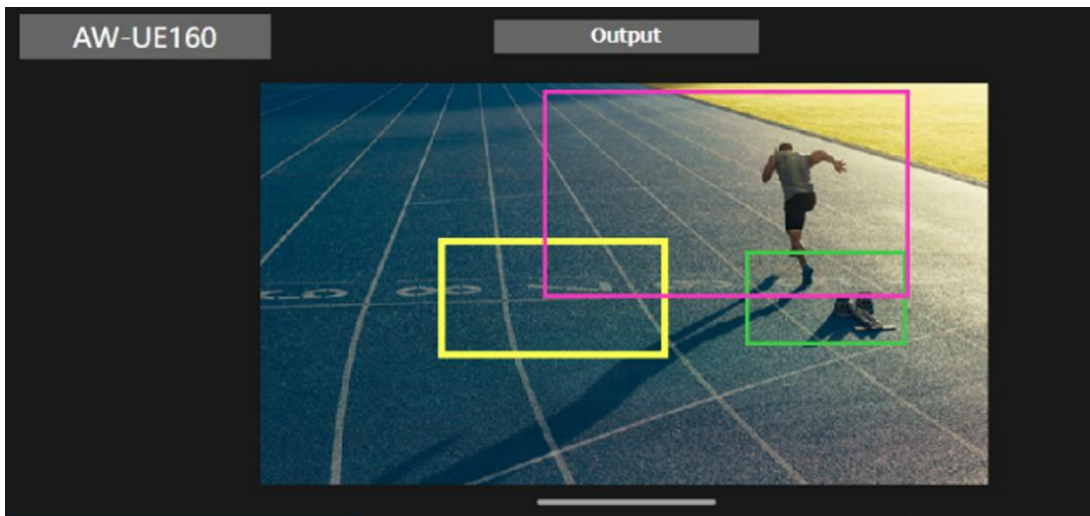
5. PTZ / Crop Adjust Control Lock Button

When the PTZ / Crop Adjust Control Lock button is turned ON, the operation areas 1 through 4 are locked (grayed out) and become inoperable.

To cancel the lock, click the PTZ / Crop Adjust Control Lock button again (see Figure 5).

This button maintains its own lock state (enabled/disabled) for both PTZ and Crop Adjust modes.

H/V Position operation for the CropAdjust Frame by Clicking a Position on the Full camera view



When you click any position within the Full camera view, the system performs H/V control on the CropAdjust frame so that the clicked position becomes the center of the CropAdjust frame.

If the Crop Adjust Control Lock button is enabled, this function will not operate.

Zoom operation for the CropAdjust Frame Using the Mouse Wheel

When you operate the mouse wheel within the Full camera view, the system performs zoom control on the CropAdjust frame.

If the Crop Adjust Control Lock button is enabled, this function will not operate.

Adjusting Focus/Camera Image Quality

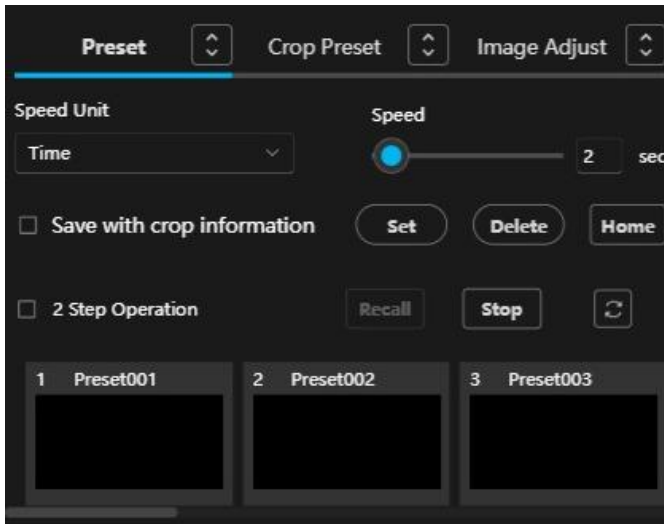
For details, refer to “[Adjusting Focus/Camera Image Quality](#)” in this document.

Configuring Camera Presets

You can register camera settings such as camera position as presets and recall them at any desired time.

- From this screen, you can register and display up to 12 presets.
- Preset information is stored in the camera unit.

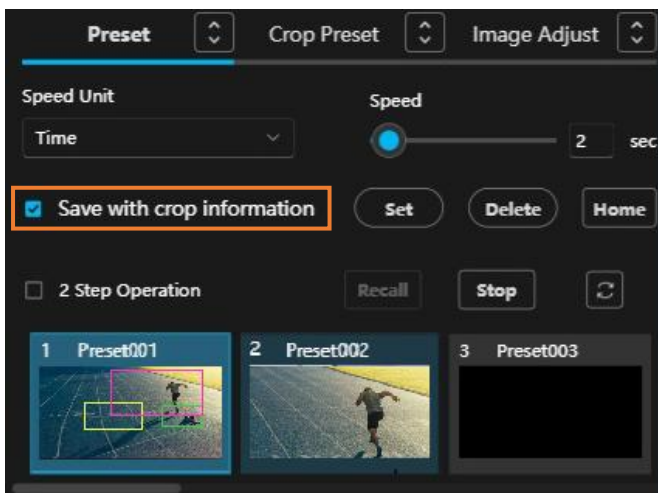
Performing Camera Preset Operations



For details, refer to “[Configuring Camera Presets](#)” in this document.

Although the layout of preset-related buttons, sliders, thumbnails, and checkboxes on this screen differs from Single camera (PTZ) screen, the functions are the same.

Saving Current Crop Frame Positions with a Preset



By enabling [Save with crop information] (area enclosed by a frame in the figure above), the current positions and sizes of the Yellow, Green, and Magenta Crop frames can be saved and recalled together with the preset. When [Save with crop information] is turned ON and a preset is registered from this software, Crop frames are drawn in the preset thumbnail display.

<NOTE>

[Save with crop information] has the same meaning as Preset Crop mode on the camera.

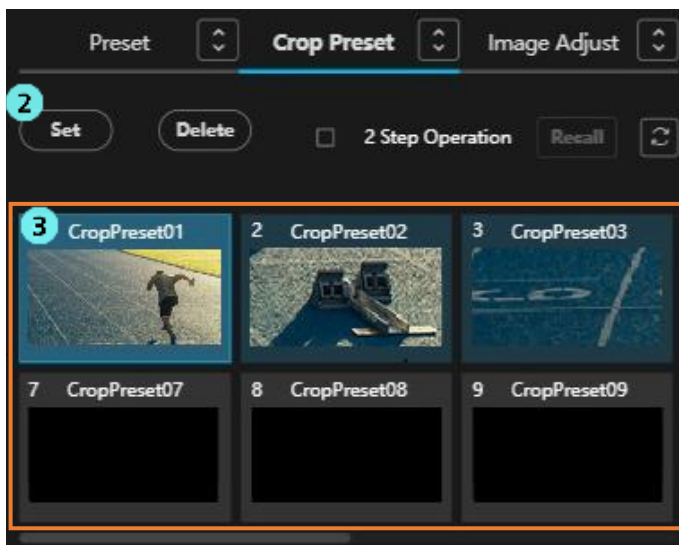
Configuring Crop Presets

You can register the current position and size of a CropAdjust frame as a Crop Preset and recall it at any desired time.

<NOTE>

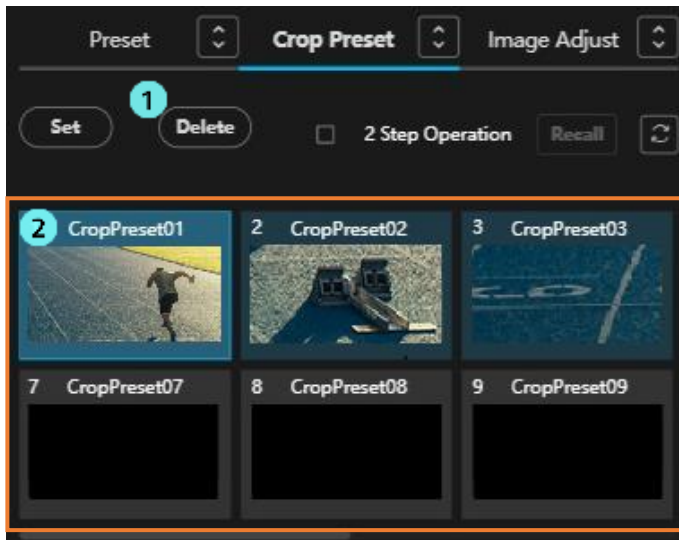
- Crop Presets are not a function of the camera unit; Crop Presets are software-specific functions of this application.
- Crop Presets cannot be saved or recalled from the camera's Web GUI or other camera-side interfaces.
- Up to 12 Crop Presets can be registered and displayed.
- If the camera installation conditions or camera settings change, the resulting Crop framing may differ from the originally intended view. It is recommended to save and recall Crop Presets only after camera installation, position, and zoom settings have been finalized.

Registering Crop Presets



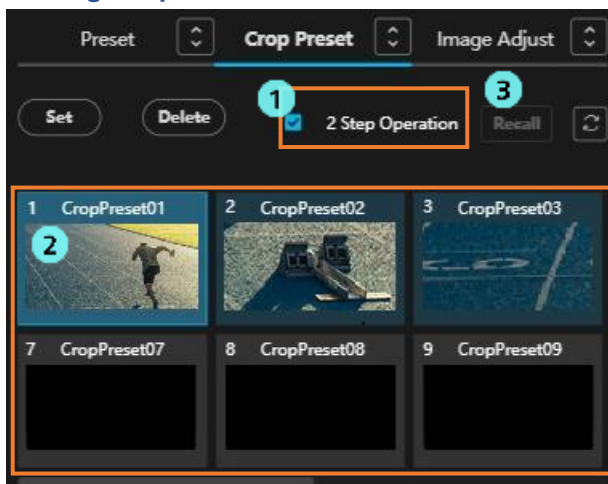
1. Select the Crop frame you want to register as a Crop Preset by following. [\[Changing the Selected Crop Frame \(CropAdjust Frame\)\]](#)
2. Click the [Set] button in the Crop Preset operation area to turn the button ON.
3. In the Crop Preset list display area, click the thumbnail of the Crop Preset number you want to register.
4. The position and size of the CropAdjust frame are registered to the selected Crop Preset number.

Deleting Crop Presets



1. Click the [Delete] button in the Crop Preset operation area to turn the button ON.
2. In the Crop Preset list display area, click the thumbnail of the Crop Preset number you want to delete.
3. The Crop Preset registered under the selected number is deleted.

Recalling Crop Presets



You can choose either of the following two methods to recall a Crop Preset.

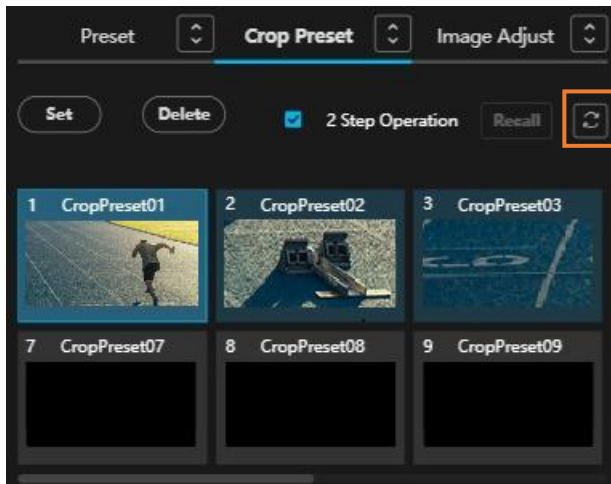
1) Immediate Recall by Clicking a Thumbnail

1. Set the [2 Step Operation] checkbox to OFF.
2. In the Crop Preset list display area, click the thumbnail of the Crop Preset number you want to recall.
3. The Crop Preset is immediately recalled for the CropAdjust frame.

2) Recall Using the [Recall] Button

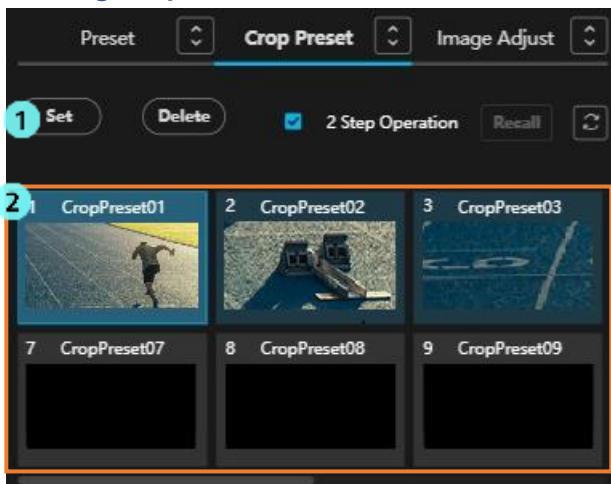
1. Set the [2 Step Operation] checkbox to ON.
2. In the Crop Preset list display area, click the thumbnail of the Crop Preset number you want to recall.
3. Click the [Recall] button.
4. The selected Crop Preset is recalled for the CropAdjust frame.

Updating Crop Preset Thumbnails



Click the Crop Preset Update button (area enclosed by a frame in the figure above) to load the latest Crop Preset thumbnails based on the camera's current angle and update the screen display.

Renaming Crop Presets



1. Click the [Set] button in the Crop Preset operation area to turn the button ON.
2. In the Crop Preset list display area, click the name field of the Crop Preset you want to rename.
3. Edit the name.
4. When focus moves to another control, the new name is confirmed.

Multiple Cameras Screen

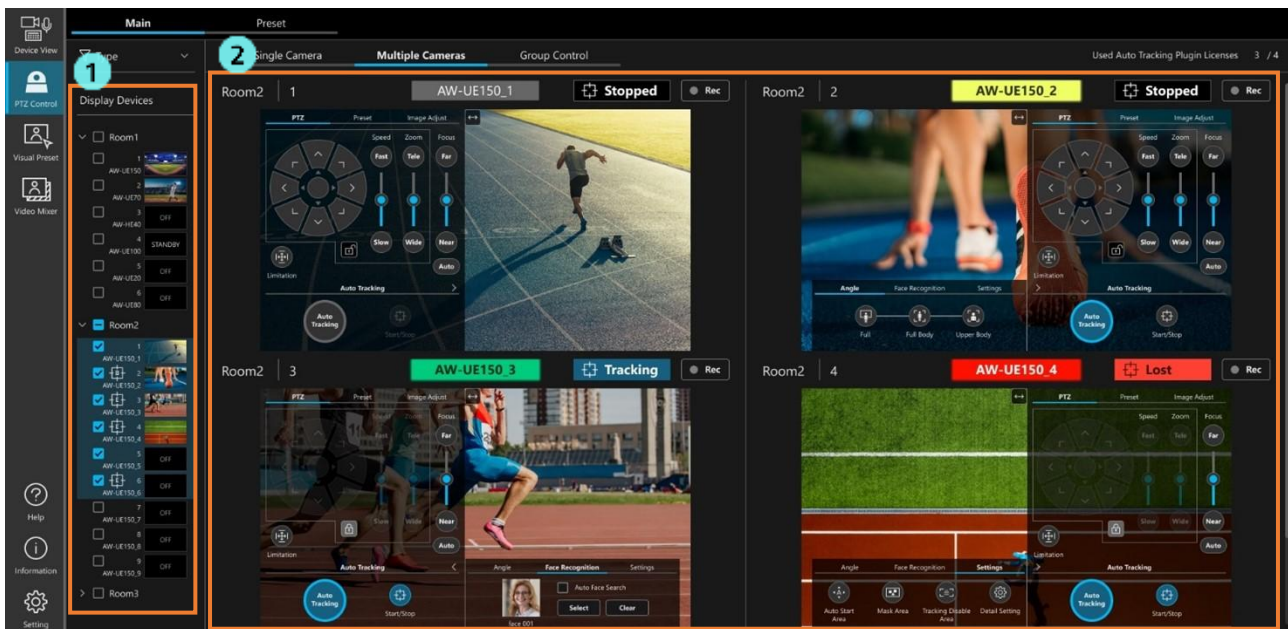
Screen Characteristics

This screen displays operation screens for multiple cameras next to each other to operate them at the same time.

From this screen, you can:

- Operate pan, tilt and zoom
- Operate presets
- Adjust focus/camera image quality
- Start/stop video recording
- Set and operate the auto tracking function

Screen Explanation



1. Camera selection area

Select the camera you want to operate from the tree on this screen.

Up to four cameras can be selected.

2. Camera view area

The selected camera's live view and the camera controller are arranged and displayed next to each other.

The camera controller has PTZ, Preset and Image Adjust tabs. The functionality of each tab is the same as the

Single Camera Screen.

Additionally, if you can use the auto tracking function, the Auto Tracking tab will be displayed in the lower part of the camera controller. The Auto Tracking tab functionality is also the same as the Single Camera screen.

<NOTE>

You can show/hide the camera controller by clicking the cross button on the camera controller.

Group Control Screen

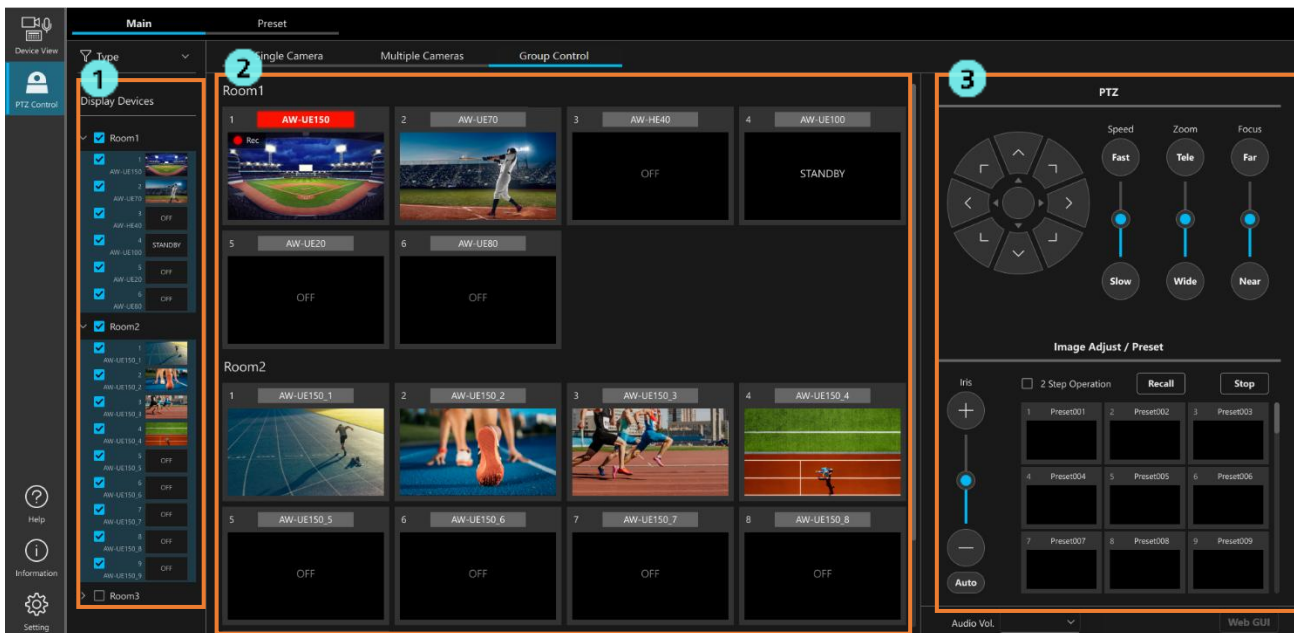
Screen Characteristics

This screen allows you to have the same operation take place across multiple cameras simultaneously.

This screen allows you to perform the following operations simultaneously for multiple cameras.

- Operate pan, tilt and zoom
- Call a preset
- Adjust focus/iris

Screen Explanation



1. Camera selection area

Select the camera you want to operate from the tree on this screen.

Up to 16 cameras can be selected.

2. Camera view area

Displays the selected camera as a thumbnail.

3. Camera controller

It allows you to perform the same operation for all selected cameras.

The operation method of each part is the same as on the Single Camera screen.

Preset Screen

Screen Characteristics

This screen allows you to control a single or multiple cameras, primarily with presets.

The Single screen is optimized for the operation of a single camera, whereas the Multiple screen is optimized for the control of multiple cameras.

Screen Explanation

Operations such as preset registration/deletion and speed settings, as well as camera controller operation are the same as the Single Camera Screen.

Single screen



1. Display screen selection button
Switch between the Single screen and the Multiple screen.
2. Camera selection area
Select the camera you want to operate from the tree on this screen.
3. Preset register/delete button
Used when you are registering or deleting presets.
4. Home position call button
This will call the Home position of the camera.

5. Preset update button

Loads the preset information for the selected camera and updates the screen display.

6. Preset list display area

Displays all presets for the selected camera.

7. Camera information display area

Displays the name and video of the selected camera.

8. Preset speed, calling area

You can set the speed of presets and call them.

9. Camera controller

You can pan, tilt and zoom cameras and control their image quality.

Multiple screen



1. Display screen selection button

Switch between the Single screen and the Multiple screen.

2. Camera selection area

Select the camera you want to operate from the tree on this screen.

Up to 16 cameras can be selected.

3. Preset register/delete button

Used when you are registering or deleting presets.

4. Home position call button

You can call the Home position of the camera selected in the preset list display area.

5. Preset update button

You can load preset information for all cameras displayed in the preset list display area and update the screen displays in the list.

6. Preset list display area

Displays the thumbnail and all presets of the camera selected in the camera selection area.

7. Camera information display area

Displays the name and live view of the camera selected from the preset list display area.

8. Preset speed, calling area

You can control the speed and calling of presets for the camera selected from the preset list display area.

9. Camera controller

You can pan, tilt and zoom cameras and image quality of the cameras selected from the preset list display area.

Camera Operation Using Peripheral Devices

Operating Camera with a Keyboard

You can perform various operations on the camera using a keyboard connected to the PC.

The operations assigned to keys are as shown below.

Key	Operation
1	Call preset 1
2	Call preset 2
3	Call preset 3
4	Call preset 4
5	Call preset 5
6	Call preset 6
7	Call preset 7
8	Call preset 8
9	Call preset 9
Shift + 1	Call Crop preset 1
Shift + 2	Call Crop preset 2
Shift + 3	Call Crop preset 3
Shift + 4	Call Crop preset 4
Shift + 5	Call Crop preset 5
Shift + 6	Call Crop preset 6
Shift + 7	Call Crop preset 7
Shift + 8	Call Crop preset 8
Shift + 9	Call Crop preset 9
Alt + ↑	Switch currently selected camera to previous one
Alt + ↓	Switch currently selected camera to next one
Alt + ←	Change the CropAdjust frame one position to the left.
Alt + →	Change the CropAdjust frame one position to the right.
Shift + O	Switch the output to the Full video
Shift + Y	Switch the output to the Yellow Crop video
Shift + G	Switch the output to the Green Crop video
Shift + M	Switch the output to the Magenta Crop video
Shift + S	Switches between Tracking Start/Stop
Shift + P	Pauses tracking while the key is pressed

Shift + C	Switch the mode between PTZ and Crop Adjust The following operations depend on the PTZ/Crop Adjust mode.
↑	Tilt camera upward / Crop V upward
↓	Tilt camera downward / Crop V downward
←	Pan camera to left / Crop H to left
→	Pan camera to right / Crop H to right
↑ + →	Pan/tilt camera up and right / Crop H/V right and up
→ + ↓	Pan/tilt camera down and right / Crop H/V right and down
↓ + ←	Pan/tilt camera to down and left / Crop H/V left and down
← + ↑	Pan/tilt camera up and left / Crop H/V left and up
Shift + ↑	Tilt camera upward (high speed) / Crop V upward (high speed)
Shift + ↓	Tilt camera downward (high speed) / Crop V downward (high speed)
Shift + ←	Pan camera to left (high speed) / Crop H to left (high speed)
Shift + →	Pan camera to right (high speed) / Crop H to right (high speed)
Shift + ↑ + →	Pan/tilt camera up and right (high speed) / Crop H/V right and up (high speed)
Shift + → + ↓	Pan/tilt camera down and right (high speed) / Crop H/V right and down (high speed)
Shift + ↓ + ←	Pan/tilt camera to down and left (high speed) / Crop H/V left and down (high speed)
Shift + ← + ↑	Pan/tilt camera up and left (high speed) / Crop H/V left and up (high speed)
Ctrl + ↑	Tilt camera upward (low speed) / Crop V upward (low speed)
Ctrl + ↓	Tilt camera downward (low speed) / Crop V downward (low speed)
Ctrl + ←	Pan camera to left (low speed) / Crop H to left (low speed)
Ctrl + →	Pan camera to right (low speed) / Crop H to right (low speed)
Ctrl + ↑ + →	Pan/tilt camera up and right (low speed) / Crop H/V right and up (low speed)
Ctrl + → + ↓	Pan/tilt camera down and right (low speed) / Crop H/V right and down (low speed)
Ctrl + ↓ + ←	Pan/tilt camera to down and left (low speed) / Crop H/V left and down (low speed)
Ctrl + ← + ↑	Pan/tilt camera up and left (low speed) / Crop H/V left and up (low speed)
Z	Zoom in, T side / Crop Zoom in, T side
X	Zoom out, W side / Crop Zoom out, W side
Shift + Z	Zoom in, T side (high speed) / Crop Zoom in, T side (high speed)
Shift + X	Zoom out, W side (high speed) / Crop Zoom out, W side (high speed)
Ctrl + Z	Zoom in, T side (low speed) / Crop Zoom in, T side (low speed)
Ctrl + X	Zoom out, W side (low speed) / Crop Zoom out, W side (low speed)

Function Restrictions by Role

List of Function Restrictions by Role

Among the roles Administrator, Super User, and User, the User role is subject to restrictions on the functions available for use.

Functions indicated with a circle (○) in the table below are available for use.

		Administrator	Super User	User
Operable cameras		All	All	Only authorized cameras
PTZ	Pan/Tilt	○	○	○
	Zoom	○	○	○
	Pan/Tilt Limitation	○	○	
Preset operation	Preset registration	○	○	
	Preset deletion	○	○	
	Preset call	○	○	○
	Cancel preset call	○	○	○
	Update preset display	○	○	○
	Set preset name	○	○	
	Set preset speed units	○	○	○
	Set preset speed	○	○	○
Call Home position	○	○	○	
Crop H/V/Zoom operations	H/V operations	○	○	○
	Zoom operation	○	○	○
Crop-related operations	UHD Crop mode setting	○	○	
	Detail Setting	○	○	
	Switch the video output	○	○	○
Crop preset	Crop preset registration	○	○	
	Crop preset deletion	○	○	
	Cancel Crop preset call	○	○	○
	Update Crop preset display	○	○	○
	Set Crop preset name	○	○	
Adjust focus/camera image quality	Focus	○	○	○
	Iris	○	○	○
	Gain	○	○	
	White Balance	○	○	

	AWB/ABB	<input type="radio"/>	<input type="radio"/>	
	Shutter	<input type="radio"/>	<input type="radio"/>	
	ND Filter	<input type="radio"/>	<input type="radio"/>	
Other operations	Start/stop video recording	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Adjust audio volume	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Display the camera web screen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Auto Tracking Function	Auto Tracking Function ON/OFF	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Tracking Start/Stop	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Angle setting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>