



Panasonic Camera Control Panel User Guide

Version 1.0.1

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Panasonic Camera Control Panel User Guide

- Ross Part Number: **4502DR-001-1.0**
- Release Date: December 8, 2014.
- Software Issue: **1.0.1**

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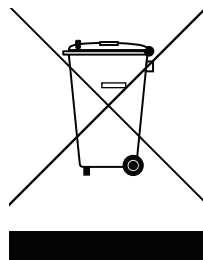
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The equipment that you purchased required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

To avoid the potential release of those substances into the environment and to diminish the need for the extraction of natural resources, Ross Video encourages you to use the appropriate take-back systems. These systems will reuse or recycle most of the materials from your end-of-life equipment in an environmentally friendly and health conscious manner.

The crossed-out wheeled bin symbol invites you to use these systems.



If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You can also contact Ross Video for more information on the environmental performances of our products.

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Introduction

This chapter contains the following sections:

- “**Overview**” on page 1–1
- “**Documentation Conventions**” on page 1–1
- “**Contacting Technical Support**” on page 1–2

Overview

This guide describes how to use the Panasonic camera control panel to configure and control selected Panasonic robotic cameras.

Documentation Conventions

Special text formats are used in this guide to identify parts of the user interface, text that a user must enter, or a sequence of menus and submenus that must be followed to reach a particular command.

Interface Elements

Bold text is used to identify a user interface element such as a dialog box, menu item, or button. For example:

In the **Media Manager Client**, tap **Channel 1** in the **Channels** section.

Touch-Screen Support

This guide assumes you are using a touch-screen. The guide includes instructions to tap user interface elements. If you are using a mouse instead of a touch screen, click the mouse instead of tapping.

User Entered Text

Courier text is used to identify text that a user must enter. For example:

In the **File Name** box, enter `Channel01.property`.

Referenced Guides

Italic text is used to identify the titles of referenced guides, manuals, or documents. For example:

DashBoard Server and User Rights Management User's Guide

Menu Sequences

Menu arrows are used in procedures to identify a sequence of menu items that you must follow. For example, if a step reads “**Server > Save As,**” you would tap the **Server** menu and then tap **Save As**.

Important Instructions

Star icons are used to identify important instructions or features. For example:

- ★ Contact your I.T. Department if you experience communication issues with DashBoard and are running anti-virus software.

Contacting Technical Support

At Ross Video, we take pride in the quality of our products, but if problems occur, help is as close as the nearest telephone.

Our 24-hour Hot Line service ensures you have access to technical expertise around the clock. After-sales service and technical support is provided directly by Ross Video personnel. During business hours (Eastern Time), technical support personnel are available by telephone. After hours and on weekends, a direct emergency technical support phone line is available. If the technical support person who is on call does not answer this line immediately, a voice message can be left and the call will be returned shortly. This team of highly trained staff is available to react to any problem and to do whatever is necessary to ensure customer satisfaction.

- **Technical Support:** (+1) 613-652-4886
- **After Hours Emergency:** (+1) 613-349-0006
- **E-mail:** techsupport@rossvideo.com
- **Website:** <http://www.rossvideo.com>

The Panasonic Control Panel

The Panasonic control panel is a DashBoard panel that enables you to configure and control up to ten Panasonic robotic cameras. You can control cameras manually, store and recall shots, and adjust shading controls and shot recall speeds.

This document describes the Panasonic camera control panel and how to use it. The following topics are included:

- “**Installing the Camera Control Panel Files**” on page 2–1
- “**Launching the Camera Control Panel**” on page 2–1
- “**Configuring Cameras**” on page 2–2
- “**Controlling Cameras**” on page 2–2
- “**User Interface Reference**” on page 2–3

Installing the Camera Control Panel Files

The camera control panel is a DashBoard panel. DashBoard must be installed to run the camera control panel. DashBoard is available as a free download from www.rossvideo.com.

To install the camera control panel:

1. Ensure that DashBoard is installed.
2. Open the camera control panel zip file and then extract the **Panasonic** folder into the C:\ directory.

Launching the Camera Control Panel

Add the camera control panel to the DashBoard File Navigator, to make it readily available from DashBoard.

To add the camera control panel to DashBoard File Navigator:

1. Start DashBoard.
2. From the **Views** menu, tap **File Navigator**.
3. On the **File Navigator** tab, tap the green + symbol.
The **Browse for Folder** dialog appears.
4. Navigate to the **Panasonic HE-120** folder located in **Computer > OS (C)**, and then tap **OK**.
5. In the **File Navigator** tree, expand the **Panasonic HE-120** folder to show the **PanasonicCamera.grid** file.
6. To open the camera control panel anytime, double-tap the **PanasonicCamera.grid** file.
The camera control panel will always be available from the DashBoard File Navigator.

Configuring Cameras

This section describes how to configure cameras.

For more detailed information about specific configuration settings, see “**Camera Configuration Window**” on page 2–3.

To configure a camera:

1. In the camera control panel, tap the **Config** button.
2. In the **Remote Control IP** box, type the IP address of the **Panasonic AW-RP120** control console (joystick console), if present.

Note: A joystick console is not required to use the Panasonic camera control panel.

3. On the **Cameras** tab, specify names and IP addresses for the cameras.
4. On the **Recall Speed** tab, set the shot recall speed for each camera.
5. On the **Preset Names** tab, name the presets (shots) for each camera.

Tip: Within the **Preset Names** tab there is a tab for each camera.

Controlling Cameras

This section summarizes how to manually control cameras, and how to store and recall shots.

For more detailed information about specific controls, see “**Camera Control Window**” on page 2–6.

Tip: This section describes how to use the camera control panel to move cameras. If your system includes a control console (joystick), you can use the joystick to move cameras and use the camera control panel to store and recall shots.

To control a camera:

1. In the camera control panel, tap the **Controls** button.
2. Tap a camera button to control that camera.

Tip: The ten camera buttons are in a row along the top of the window.

3. If you want to move the camera, tap the **PTZ Controls** button, and then adjust the following as required:
 - **Pan and Tilt** — Tap the **Positioner** button to choose between **PAN / TILT** sliders or the pan/tilt positioner, and then move the camera.
 - **Zoom** — Tap and drag the **ZOOM** slider handle to adjust the zoom.
 - **Focus** — Tap and drag the **FOCUS** slider handle to adjust the focus.
Tip: If the **FOCUS** slider is visible but not available, tap the **Auto Focus** button to turn off auto focus.
 - **Iris** — Tap and drag the **IRIS** slider handle to adjust the iris.
Tip: If the **IRIS** slider is visible but not available, tap the **Auto Iris** button to turn off automatic iris.
4. If you want to adjust camera shading and other selected controls, tap the **Shading Controls** button, and then adjust the following as required:
 - **Camera Output** — Choose between normal camera output and test bars.
 - **Shutter Speed** — Select a shutter speed.
 - **Gain** — Specify a gain value (0 to 30).
 - **Chroma** — Specify a chroma value (-3 to 3).
 - **Detail** — Select a level of detail (High, Low, Off)
 - **White Balance** — Select a white balance option from the list, to perform a camera white balance:
 - › **ATW** — Auto-Tracing White Balance. White balance adjusts continuously as you shoot.

- › **AWB A** — Auto White Balance A. Applies a saved white balance preset.
- › **AWB B** — Auto White Balance B. Applies a saved white balance preset.
- › **Preset 3200K** — Applies white balance for typical indoor (incandescent) conditions.
- › **Preset 5600K** — Applies white balance for typical outdoor (daylight) conditions.

Alternatively, to perform a manual white balance, tap the **Execute AWB** button. If **AWB A** or **AWB B** are selected, the **Execute AWB** button also stores the white balance level in the preset shown (**AWB A** or **AWB B**).

- **Black Balance** — Tap this button to perform a manual black balance.

Note: When you store a shot, shading controls are not saved as part of the shot.

5. Tap the **Store/Recall Shots** button.
6. If you want to store a shot, select a camera, set the camera position and shading controls as required, tap the **Store/Recall Shots** button, and tap the **Store Shot** button, and then tap a **Shot** button to save the shot.

Tip: If you want to store a shot higher than 99, use the Shot Selection keypad to specify the shot number, instead of tapping a **Shot** button.
7. If you want to recall a shot, select a camera, tap the **Store/Recall Shots** button, and tap the **Recall Shot** button, and then tap a **Shot** button to recall that shot.
8. Continue creating and storing shots until all required shots exist for all cameras in your system.

User Interface Reference

This section describes the controls available in the Panasonic camera control panel.

The camera control panel consists of two interfaces:

- **Camera Configuration (Config) Window** — Enables you to configure camera settings such as camera names, IP addresses, recall speeds, and preset (shot) names. For more information, see “**Camera Configuration Window**” on page 2–3.
- **Camera Control (Controls) Window** — Enables you to operate cameras. You can move cameras, store and recall shots, and adjust shading controls. For more information, see “**Camera Control Window**” on page 2–6.

Camera Configuration Window

The camera configuration window enables you to configure camera settings such as camera names, IP addresses, recall speeds, and preset (shot) names.

To access the camera configuration window:

- Tap the **Config** button.

The **Config** window includes the following tabs:

- “**Cameras Tab**” on page 2–4
- “**Recall Speed Tab**” on page 2–5
- “**Preset Names Tab**” on page 2–6

Cameras Tab

Figure 2.1 shows the Cameras tab.

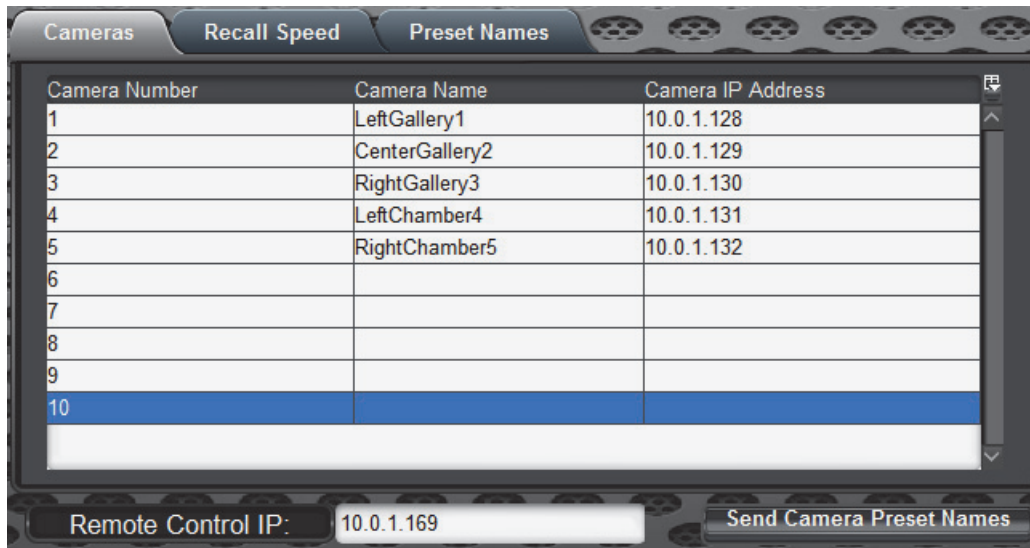


Figure 2.1 Cameras Tab

The Cameras tab includes the following settings and buttons:

Setting or Button	Description
Camera Number	The number of the camera being controlled. This is not editable. Each row in the table represents one camera.
Camera Name	Specify a meaningful name for the camera.
Camera IP Address	Specify the IP address of the camera. Every camera must have a unique IP address.
Remote Control IP	Specify the IP address of the Panasonic AW-RP120 control console (joystick console), if present. A joystick console is not required to use Panasonic camera control panel.
Send Camera Preset Names	Tap this button to send the names of presets (shots) to other inter-connected DashBoard panels, such as a Legislative Control System (LCS) panel. Sending the preset names enables the other panel(s) to display them. Tip: Preset names are defined on the Preset Names tab.

Recall Speed Tab

Figure 2.3 shows the **Recall Speed** tab.

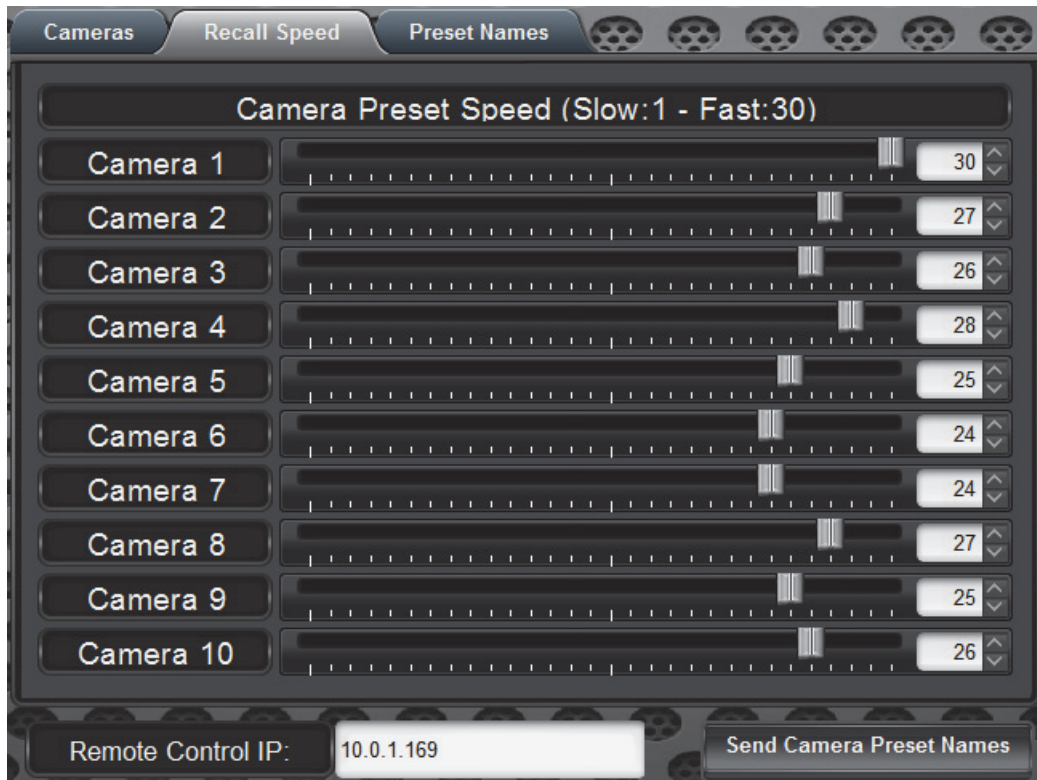


Figure 2.2 Recall Speed Tab

The **Recall Speed** tab includes the following settings and buttons:

Setting or Button	Description
Camera preset speeds	<p>Do one of the following to set the speed of each camera:</p> <ul style="list-style-type: none">• Tap and drag the speed slider. The speed is shown in a box to the right of the slider.• Type a number in the speed box to the right of the slider.• Tap the up and down arrows beside the speed box. <p>Tip: Higher numbers represent faster speeds</p>
Remote Control IP	<p>Specify the IP address of the Panasonic AW-RP120 hard IP control panel, if present. Hard control panel is not required to use Panasonic camera control panel.</p>
Send Camera Preset Names	<p>Tap this button to send the names of presets (shots) to other inter-connected Dashboard panels, such as a Legislative Control System (LCS) panel. Sending the preset names enables the other panel(s) to display them.</p> <p>Tip: Preset names are defined on the Preset Names tab.</p>

Preset Names Tab

Figure 2.3 shows the **Preset Names** tab.



Figure 2.3 Preset Names Tab

The **Preset Names** tab includes the following settings and buttons:

Setting or Button	Description
Camera tabs	Each Camera tab corresponds to a camera in the system. Each camera has a separate list of presets. Tap a tab to set preset names for shots on a different camera.
Preset Names	Specify a meaningful name for the preset (also known as a shot). Examples of typical shot names include, “sitting”, “standing”, “close”, “far”, “tight”, and “wide”.
Remote Control IP	Specify the IP address of the Panasonic AW-RP120 hard IP control panel, if present. Hard control panel is not required to use Panasonic camera control panel.
Send Camera Preset Names	Tap this button to send the names of presets (shots) to other inter-connected DashBoard panels, such as a Legislative Control System (LCS) panel. Sending the preset names enables the other panel(s) to display them.

Camera Control Window

The camera control window enables you to operate cameras. You can move cameras, store and recall shots, and adjust shading controls.

To access the camera control interface:

- Tap the **Controls** button.

The **Controls** interface includes the following windows:

- “**Store/Recall Shots Window**” on page 2–7
- “**PTZ Controls Window**” on page 2–8
- “**Shading Controls Window**” on page 2–10

Store/Recall Shots Window

The **Store/Recall Shots** window enables you to store camera positions as shots for future recall. It also enables you to recall those shots. The **Store/Recall Shots** window is used as an operator interface for controlling cameras during a presentation.

To access the Store/Recall Shots window:

- From the camera control interface, tap the **Store/Recall Shots** button.

Figure 2.4 shows the **Store/Recall Shots** window.

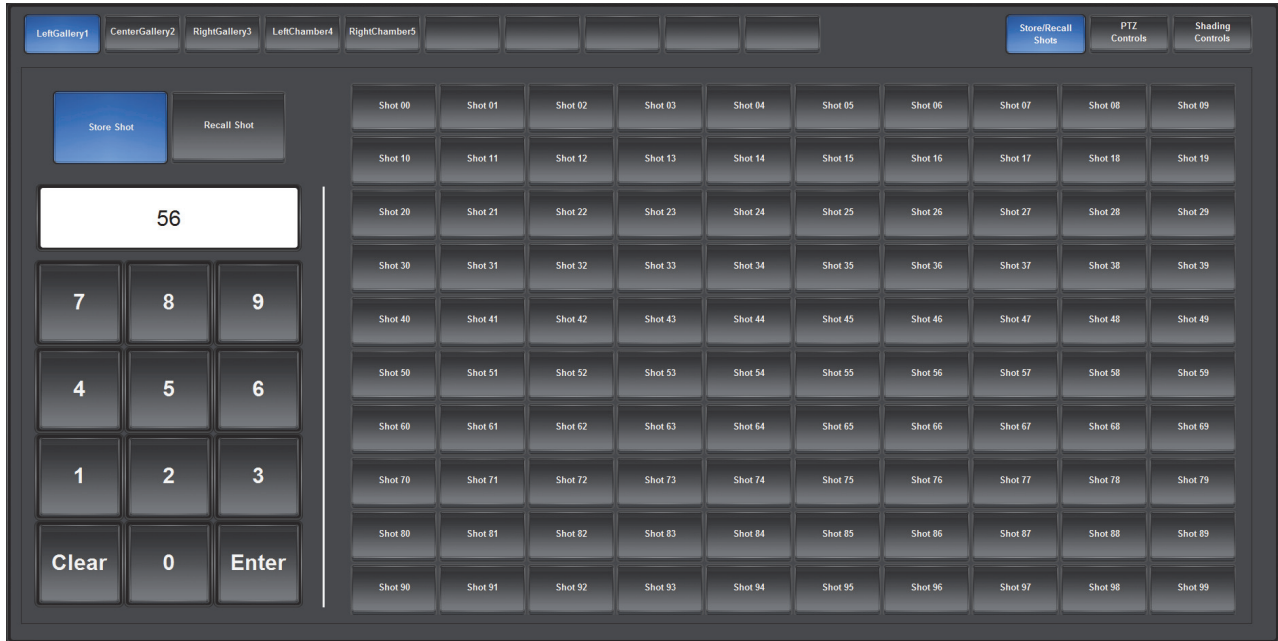


Figure 2.4 Store/Recall Shots Window

The **Store/Recall Shots** window includes the following settings and buttons:

Setting or Button	Description
Camera buttons	The row of ten buttons across the top of the Store/Recall Shots window includes one button per camera. Tap a button to select the camera to which you want to store shots, or from which you want to recall them.
Store Shot button	Tap the button to switch to Store Shot mode. In Store Shot mode, you can save the current camera position as a shot for future recall.
Recall Shot button	Tap the button to switch to Recall Shot mode. In Recall Shot mode, you can recall saved shots for the current camera. Recall Shot mode is used for camera operation.

Setting or Button	Description
Shot Selection keypad	<p>Type a shot number and then press the Enter button on the keypad to store or recall a shot, depending on the current mode.</p> <p>Alternatively, you can type a number in the box above the keypad and then press the Enter button on the keypad.</p> <p>Tip: The Shot buttons can also be used to select a shot for storage or recall. There are 100 Shot buttons, numbered 00 to 99. If you want to store or recall a shot higher than 99, use the Shot Selection keypad.</p>
Shot buttons	<p>Tap a Shot button to store or recall a shot, depending on the current mode.</p> <p>Shot buttons are used for camera operation.</p> <p>Tip: Be aware of the current mode (Store Shot or Recall Shot) before you tap a Shot button. If you are in Recall Shot mode and tap a Shot button, the current camera position is stored as that shot.</p> <p>Tip: Panasonic cameras can store up to 100 shots. The camera control panel also uses virtual shots, enabling you to store up to 1000 shots in total. The camera control panel has 100 Shot buttons, numbered 00 to 99. If you want to store or recall a shot higher than 99, use the Shot Selection keypad.</p> <p>Tip: Shots 00 to 99 are stored on the Panasonic cameras. The camera control panel stores only shots 100 to 999. If you want all your shots to be saved in data files, use only shots above 99.</p>

PTZ Controls Window

The **PTZ Controls** window enables you to manually adjust the position of the currently-selected camera. You can move cameras during a presentation, or move them into position to store a shot.

To access the PTZ Controls window:

- From the camera control interface, tap the **PTZ Controls** button.

Figure 2.5 shows the **PTZ Controls** window.

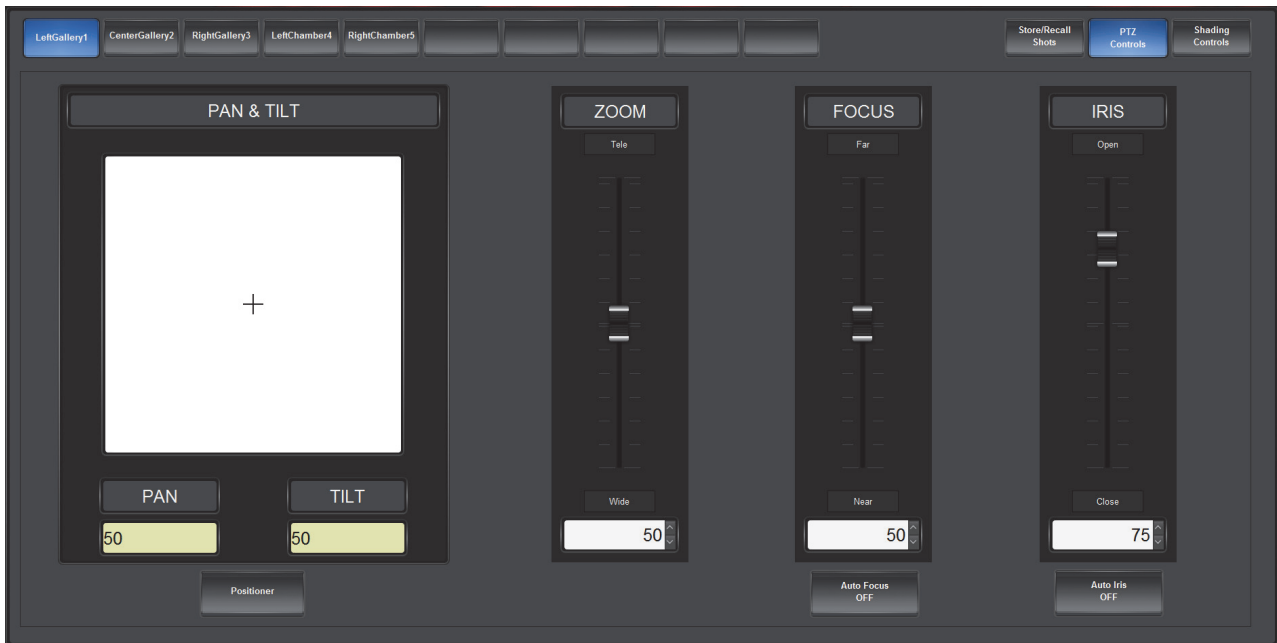


Figure 2.5 PTZ Controls Window (showing Pan/Tilt positioner)

The **PTZ Controls** window includes the following settings and buttons:

Setting or Button	Description
Camera buttons	<p>The row of ten buttons across the top of the PTZ Controls window includes one button per camera.</p> <p>Tap a button to select which camera you want to move.</p>
Positioner button	<p>Switches between interfaces for adjusting pan and tilt positions:</p> <ul style="list-style-type: none"> • PAN and TILT sliders — enable you to adjust pan and tilt separately. • Pan/Tilt Positioner — enables you to adjust pan and tilt simultaneously. <div data-bbox="483 485 1438 982" style="text-align: center;"> </div> <p style="text-align: center;">Figure 2.6 Pan/Tilt Sliders (left) and Pan/Tilt Positioner (Right)</p>
PAN and TILT sliders	<p>Tap and drag the PAN or TILT slider handles to pan or tilt the camera.</p> <p>Alternatively, you can type a value in the box below the slider, or use the up/down arrows beside the box to select a value.</p> <p>The value range is 1 to 99. Higher pan values pan right. Higher tilt values tilt upwards.</p> <p>Pan and tilt slider values are relative, not absolute. When you release the slider, the value shown returns to zero.</p>
Pan/Tilt Positioner	<p>Tap and drag the cross-hairs within the white box until the camera is in the desired pan/tilt position.</p> <p>Positioner values are relative, not absolute. When you release the cross-hairs, they return to the center and the values return to 50.</p>
ZOOM slider	<p>Tap and drag the ZOOM slider handle up or down to zoom the lens.</p> <p>Alternatively, you can type a value in the box below the slider, or use the up/down arrows beside the box to select a value.</p> <p>The value range is 1 to 99. Higher values are towards telephoto, and lower values are towards wide.</p> <p>Zoom slider values are relative, not absolute. When you release the slider, the value shown returns to zero.</p>
Auto Focus button	<p>Tap to switch between automatic focus and manual focus control.</p> <p>When Auto Focus is OFF, you can adjust focus using the FOCUS slider.</p>

Setting or Button	Description
FOCUS slider	<p>Tap and drag the FOCUS slider handle up or down to focus the lens manually. Alternatively, you can type a value in the box below the slider, or use the up/down arrows beside the box to select a value.</p> <p>The value range is 1 to 99. Higher values are towards far focus, and lower values are towards near focus.</p> <p>Focus slider values are relative, not absolute. When you release the slider, the value shown returns to zero.</p> <p>Note: If the FOCUS controls are shown but not available, tap the Auto Focus button below the slider to turn auto focus OFF. You cannot adjust focus if auto focus is ON.</p>
Auto Iris button	<p>Tap to switch between automatic and manual iris control.</p> <p>When Auto Iris is OFF, you can adjust the iris using the IRIS slider.</p>
Iris slider	<p>If you want to adjust the iris, tap and drag the IRIS slider handle up or down. Alternatively, you can type a value in the box below the slider, or use the up/down arrows beside the box to select a value.</p> <p>The value range is 1 to 99. Higher values open the iris, and lower values close it.</p> <p>Iris slider values are absolute. When you release the slider, the value you set remains.</p> <p>Note: If the IRIS controls are shown but not available, tap the Auto Iris button below the slider to turn automatic iris OFF. You cannot adjust the iris if automatic iris is ON.</p>

Shading Controls Window

The **Shading Controls** window enables you to adjust selected camera controls, including shading and shutter speed. Shading settings remain until changed again. They are not saved as part of the shots.

Note: For more information about the effect of these camera controls, refer to the documentation that came with your camera system.

To access the Shading Controls window:

- From the camera control interface, tap the **Shading Controls** button.

Figure 2.7 shows the **Shading Controls** window.

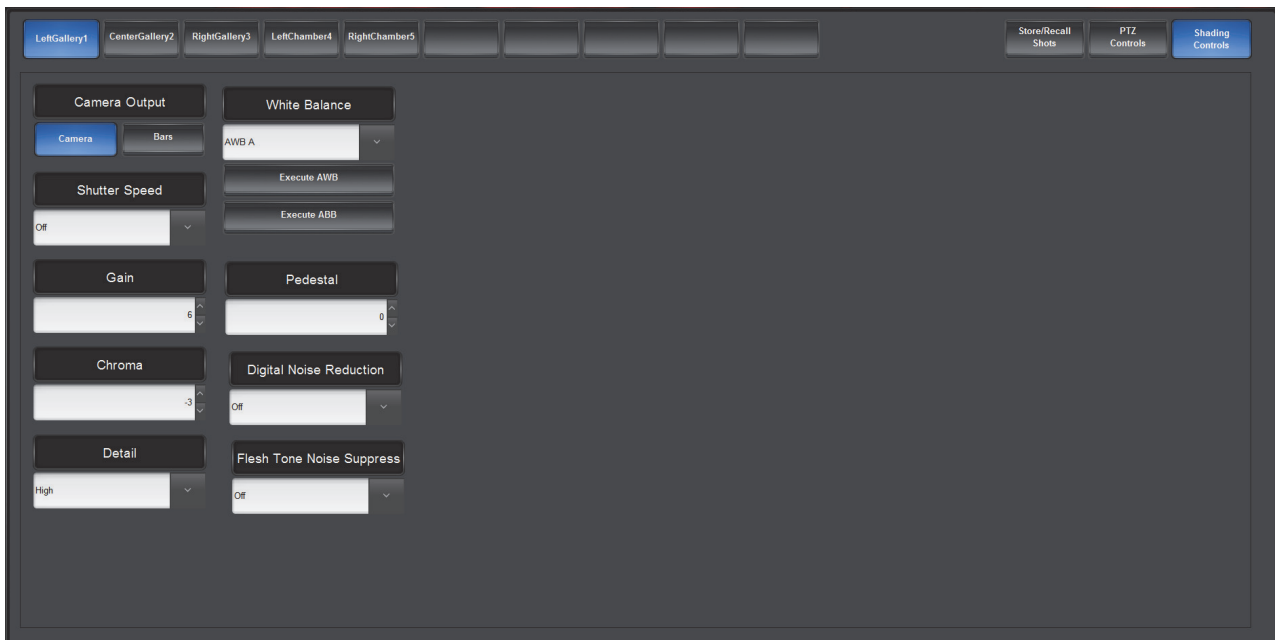


Figure 2.7 Shading Controls Window

The **Shading Controls** tab includes the following settings and buttons:

Setting or Button	Description
Camera buttons	The row of ten buttons across the top of the Shading Controls window includes one button per camera. Tap a button to select which camera you want to adjust.
Camera Output	Switches between normal camera output and test bars.
Shutter Speed	Select a shutter speed from the list, or select Off . Tip: When this setting is Off , the shutter will not operate, even if the Shutter button on the camera is pressed.
Gain	Specify a gain value. The range is 0 to 18.
Chroma	Specify a chroma value. The range is -3 to 3.
Detail	Select a level of image detail (sharpness) from the list. The options are High , Low , or Off . Tip: If Detail is set to High , detail is enhanced.
White Balance	Select a white balance option from the list, to perform a camera white balance: <ul style="list-style-type: none"> • ATW — Auto-Tracing White Balance. White balance adjusts continuously as you shoot. • AWB A — Auto White Balance A. Applies a saved white balance preset. • AWB B — Auto White Balance B. Applies a saved white balance preset. • Preset 3200K — Applies white balance for typical indoor (incandescent) conditions. • Preset 5600K — Applies white balance for typical outdoor (daylight) conditions.
Execute AWB button	Tap this button to perform a white balance. If AWB A or AWB B are selected, tapping Execute AWB also stores the white balance level in the preset shown (AWB A or AWB B).
Execute ABB button	Tap this button to perform an Automatic Black Balance (ABB).
Pedestal	Specify a black pedestal level. The range is -150 to 150 .
Digital Noise Reduction	Select a level of digital noise reduction. The options are Off , Low , and High .
Flesh Tone Noise Suppress	Select a level of flesh tone noise suppression. The options are Off , Low , and High .

