

Eagle PT-101 Pan Tilt System

Requirements

- Robotic Camera System Interface Software Option
- Serial Interface Cables
- Phoenix Connector Block (included with Eagle PT-101)
- If you are connecting to the Eagle PT-101 Pan Tilt System through a PT Controller, an RS-232 to RS-485 converter may be required. Please contact Ross Video Technical Support for more information on setting up the camera in this configuration.

Port Connections

	Switcher		Robotic Camera
Robotic Camera	REMOTE Port (female)	⇒	Phoenix Connector Block
Video	Input BNC	⇒	Video Out BNC

Pinouts

Switcher	Eagle PT-101
2 (Tx)	2 (Rx)
3 (Rx)	3 (Tx)
5 Ground	5 Ground

Switcher Setup

To Set Up Communications

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **Com Setup** ⇒ **Type**.
 - Use the **Com Port** knob to select the **REMOTE X** port that you connected the Eagle PT-101 Pan Tilt System to.
 - Use the **Device** knob to select **Robotic Cam**.
2. Press **Select Device**.
 - Use the **Device** knob to select **Eagle**.
3. Press **Com Type**.
 - Use the **Type** knob to select **RS-232 (RS-232 NULL on the Synergy 1)**.
4. Press **Com Settings**.
 - Use the **Baud** knob to select **9600**.
 - Use the **Parity** knob to select **NONE**.

5. Press **Extra Options**.

Extra Options	Value
Lens Type	Rainbow (default)
Master Ped	Yes (default)

6. Press **HOME** ⇒ **Confirm**.

To Set Up Video Inputs

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **BNC** ⇒ **BNC Type**.
 - Use the **BNC** knob to select the input BNC that the Video output of the camera being controlled by the Eagle PT-101 is connected to.
 - Use the **Type** knob to select **Robotic Cam**.
 - Use the **Video Format** knob to select the video format of the Video output of the camera.
2. Press **More** ⇒ **Camera Setup**.
 - Use the **Controller** knob to select the camera.
 - Use the **Port** knob to select the port that you are using on the camera.
3. Press **Camera Options** and use the knobs to set the options.

Option	Description
Pan Invert	Use the Value knob to invert the direction that the camera moves when using the positioner (Yes), or not (No).
Tilt Invert	Use the Value knob to invert the direction that the camera moves when using the positioner (Yes), or not (No).
Zoom Invert	Use the Value knob to invert the direction that the camera zooms when using the positioner (Yes), or not (No).
Focus Invert	Use the Value knob to invert the focus direction when using the positioner (Yes), or not (No).
Iris Invert	Use the Value knob to invert the iris direction when using the positioner (Yes), or not (No).
X Invert	Use the Value knob to invert the direction that the camera moves in the X-axis when using the positioner (Yes), or not (No).
Y Invert	Use the Value knob to invert the direction that the camera moves in the Y-axis when using the positioner (Yes), or not (No).



Option	Description
Z Invert	Use the Value knob to invert the direction that the camera moves in the Z-axis when using the positioner (Yes), or not (No).

4. Press **HOME** ⇒ **Confirm**.

Device Setup

Ensure the port on the Eagle PT-101 that is connected to the switcher is configured for RS-232.

Compatibility

Robotic Camera	Version
Eagle PT-101 Pan Tilt System	--
Switchers	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	--
Vision MD/X	--
Vision QMD/X	16.0
Vision MultiPanel Support	--
Automation	
OverDrive	12.0
Port Expanders	
BSS4	✓
Comtrol DeviceMaster	✓



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