

Telemetry DS-4 Device Server

Requirements

- Robotic Camera Control software option
- Serial Interface Cable
 - › The Telemetry DS-4 can use either RS-232 or RS-422 communications. For RS-232, use a straight-through cable pinout.

Port Connections

	Switcher		Robotic Camera
Communications	REMOTE Port (female)	⇒	RS-422 Port
Video	Input BNC	⇒	Output BNC

Pinouts

Switcher	DS-4
2 (Rx-)	3 (Tx-)
3 (Tx+)	1 (Rx+)
7 (Rx+)	4 (Tx+)
8 (Tx-)	2 (Rx-)

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 DS-4 to.
 - Use the **Device** knob to select **Robotic Cam**.
2. Press **Select Device**.
 - Use the **Device** knob to select **Tmetrics**.
3. Press **Com Type**.
 - Use the **Type** knob to select **RS-422**.
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
SerialSwitch	DS-4
RclTime	4 (default)
ShotOffset	0 (default)
Iris Control	Lens (default)
Iris Speed	1 (default)
Iris Mode	Velocity (default)
Iris Res	8 bit (default)
Select Delay	0 (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 DS-4 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 port that the DS-4 is connected to.
 - Use the **Port** knob to select the port on the DS-4 that the camera is connected to.
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).



Option	Description
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).
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

When connecting the switcher to a pair of Telemetrics DS-4s, one DS-4 connects directly to the control panel, while the second connects the cameras to the first DS-4 over a network. This second Telemetrics DS-4 has an IP Address you assign on the Communications Menu, and a Port Number that is assigned on the BNC Setup Menus.

Ensure that the corresponding Telemetrics DS-4 jumper switch, for the serial port the control panel is connected to, is set for the communications standard you selected on the menus.

Compatibility

Robotic Camera	Version
Telemetrics DS-4	--
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	✓
Control DeviceMaster	✓



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