Telemetrics STS-12 Serial Control Transfer Switch

Requirements

- Robotic Camera Control software option
- Serial Interface Cable
  - › The Telemetrics STS-12 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)	⇨	DCE Port (female)
Video	Input BNC	⇨	Output BNC

Pinouts

Switcher	STS-12
2 (Rx-)	2 (Tx-)
3 (Tx+)	4 (Rx+)
7 (Rx+)	1 (Tx+)
8 (Tx-)	3 (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 STS-12 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	STS-12
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 STS-12 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 STS-12 is connected to.
   - Use the **Port** knob to select the port on the STS-12 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

The switcher can be connected to any of the Controller (DCE) Ports of the Telemetrics STS-12 Serial Control Transfer Switch.

- The CDCE Ports are always female, the same as the ports on the PT Head.
- The Telemetrics PT Head connects to a DTE Port on the Telemetrics STS-12 Serial Control Transfer Switch using a straight through DB-9, pin to pin, male to female cable.
- Ports 1 and 2 are always DCE Ports; however, other ports may also be configured as DCE ports.
- The Telemetrics STS-12 may have more than two DCE Ports. Refer to your Telemetrics documentation for information on the Port configuration for your device.

***Note**: The ports on the Telemetrics STS-12 Serial Control Transfer Switch are always paired, with each port in the pair configured the same.*

- If the Telemetrics STS-12 DCE Port is configured as RS-232, the cable is a DB-9 male to male Null modem.
- If the Telemetrics STS-12 DCE Port is configured as RS-422, the cable is a DB-9 custom male to male cable.

Compatibility

Robotic Camera	Version
Telemetrics STS-12	--
Switchers	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	--
Vision MD/X	--
Switchers	
Vision QMD/X	16.0
Vision MultiPanel Support	--
Automation	
OverDrive	12.0
Port Expanders	
BSS4	✓
Comtrol DeviceMaster	✓