

## Sony EVI-HD1 Robotic Camera

### Requirements

- Robotic Camera Control software option.
- Serial Interface Cable (DB9 to MiniDIN)

### Port Connections

	Switcher		Robotic Camera
Communications	REMOTE Port (female)	⇒	VISCA IN Port (female)
Video	Input BNC	⇒	Output BNC

### Cable Connectors

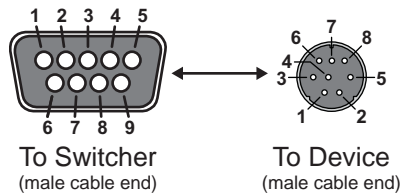


Figure 1 DB9 to MiniDIN

### Pinouts

Switcher	EVI-HD1
2 (Tx)	2 (Rx)
3 (Rx)	3 (Tx)
5 Ground	5 Ground

## FlexDevice™ Installation

### To Install the FlexDevice Driver

1. On your computer, open your Web Browser and, in the address bar, enter the IP address of your frame and press **Enter**.
2. Enter your username and password as follows when the **Login Dialog Box** appears. The default **Name** is **user** and **Password** is **password**.
3. Click **Other...** ⇒ **FlexDevices**.
4. Click **Browse**. A file selection dialog box is displayed.
5. Locate the FlexDevice driver file **Robo-Cam\_Sony 1.0-###.tar.gz**.
6. Click **Open/Choose** to select the file.

7. Click **Install Driver** to upload and install the selected driver to the switcher.

### To Initialize the FlexDevice Driver

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **Com Setup** ⇒ **FlexDevices**.
2. Press **Start Driver**.
3. Use the **Interface** knob to select **Panel0**.
4. Use the **Type** knob to select **FlexCAM**.
5. Use the **Driver** knob to select **Sony 1.0**.
6. Press **Accept**. You must initialize a separate instance of a driver for each device you want to control from the switcher.

## 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 Sony EVI-HD1 Robotic Camera to.
  - Use the **Device** knob to select **FlexCAM**.
2. Press **Select Device**.
  - Use the **Device** knob to select **x\_Sony 1.0**.
3. Press **Com Type**.
  - Use the **Type** knob to select **RS-232**.
4. Press **Com Settings**.
  - Use the **Baud** knob to select **38400**.
  - Use the **Parity** knob to select **NONE**.
5. Press **Extra Options**.

Extra Options	Value
ShotOffset	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 EVI-HD1 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 EVI-HD1.
- Use the **Port** knob to select the camera you are controlling in a daisy chain. The first camera is fixed to **1**.

3. Press **Camera Options** and use the knobs to set the options.

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

4. Press **HOME** ⇒ **Confirm**.

## Device Setup

The jumpers on the EVI-HD1 that is connected to the switcher must be set as follows:

Jumper	Value
1	Infra-red signal control ( <b>OFF</b> ) disables the control
2	Set to <b>ON</b> for 38400 baud rate
3	No connection
4	No connection

If you are daisy chaining multiple Sony EVI-HD1 Robotic Cameras together, use the following pinouts to connect the one camera to the next.

VISCA Out	VISCA In
1 (DTR)	2 (DSR)
2 (DSR)	1 (DTR)
3 (Tx)	5 (Rx)
4 (Gnd)	4 (Gnd)
5 (Rx)	3 (Tx)

## Compatibility

Robotic Camera	Version
Sony EVI-HD1 Robotic Camera	--
<b>FlexDevice</b>	
Sony FlexCAM Driver	1.0
<b>MultiPanel</b>	
MultiPanel Support	✘
<b>Automation</b>	
OverDrive	12.0
<b>Port Expanders</b>	
BSS4	✘
Control DeviceMaster	✓