

## Sony BRC-300/300P Robotic Camera

### Requirements

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

### Port Connections

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

### Cable Connectors

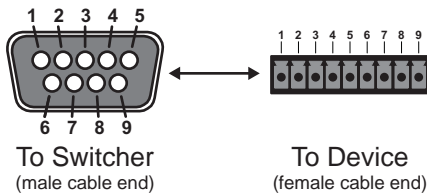


Figure 1 DB9 to VISCA Cable

### Pinouts

Switcher	BRC-300/300P
2 (Rx-)	9 (Tx-)
3 (Tx+)	6 (Rx+)
7 (Rx+)	8 (Tx+)
8 (Tx-)	7 (Rx-)

**Note:** These pinouts do not match the Sony documentation but have been tested and verified by Ross Video.

### 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 BRC-300/300P 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-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
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 BRC-300/300P 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 BRC-300/300P.
- Use the **Port** knob to select the port that you are using on the BRC-300/300P.

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 BRC-300/300P that is connected to the switcher must be set as follows:

Jumper	Value
1	No connection
2	Set to <b>ON</b> for RS-422 communication
3	Set to <b>OFF</b> for 9600 baud rate
4	Infra-red signal control ( <b>OFF</b> ) disables the control

Jumper	Value
1	<b>ON</b> only for first camera in chain.
2	<b>ON</b> only for second camera in chain
3	<b>ON</b> only for third camera in chain
4	No connection

If you are daisy chaining multiple Sony BRC-300/300Ps together, use the following pinouts to connect the one camera to the next.

VISCA Out	VISCA In
1 (Rx-)	8 (Tx -)
2 (Rx+)	9 (Tx+)
3 (Tx-)	6 (Rx-)
4 (Tx+)	7 (Rx+)
5 (Gnd)	5 (Gnd)

## Compatibility

Robotic Camera	Version
Sony BRC-300/300P	--
<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	✓

