

Canon BU-45H Remote Control Pan-Tilt System

Requirements

- Robotic Camera System Interface Software Option
- Serial Interface Cable (DB9 to PRC05-P12F)

Port Connections

	Switcher		Robotic Camera
Robotic Camera	REMOTE Port (female)	⇒	CONT Port (male)
Video	Input BNC	⇒	Video Out BNC

Cable Connectors

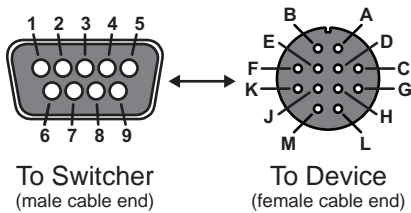


Figure 1 DB9 to PRC05-P12F Cable

Pinouts

Switcher	BU-45H
2 (Rx-)	E (Tx-)
3 (Tx+)	A (Rx+)
7 (Rx+)	B (Tx+)
8 (Tx-)	D (Rx-)

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_Canon-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 **Canon-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 Canon BU-45H Robotic Camera to.
 - Use the **Device** knob to select **FlexCAM**.
2. Press **Select Device**.
 - Use the **Device** knob to select **x_Canon-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 **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 BU-45H 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 BU-45H.
- Use the **Port** knob to select the port that you are using on the BU-45H.

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).
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 BU-45H that is connected to the switcher is configured for RS-422.

Compatibility

Robotic Camera	Version
Canon BU-45H Robotic Camera	--
FlexDevice	
Canon FlexCAM Driver	1.0
MultiPanel	
MultiPanel Support	✘
Automation	
OverDrive	12.0

Port Expanders	
BSS4	✘
Control DeviceMaster	✓