

## Ross Robotics CamBot

### Requirements

- Robotic Camera System Interface Software Option
- Ethernet Cable

### Port Connections

	Switcher		Robotic Camera
Video	Input BNC	⇒	Video Out BNC

### Switcher Setup

#### To Set Up Communications

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **Com Setup** ⇒ **Type**.
  - Use the **Com Port** knob to select the **PERIPH X** port that you connected the Ross CamBot Camera System to.
  - Use the **Device** knob to select **Robotic Cam**.
2. Press **Select Device**.
  - Use the **Device** knob to select **CamBot**.
3. Press **Com Type**.
  - Use the **Type** knob to select **Network TCP**.
4. Press **Com Setting**.
5. Use the **Client/Server** knob to select **Client**.
  - In the **Remote IP Address** field, enter the IP address of the CamBot.
  - In the **Remote Port** field, enter **2050**. Use this value unless told otherwise by the Ross CamBot Camera System documentation.
6. Press **Extra Options**.

Extra Options	Value
Pan/Tilt Damping	1 (default)
Pan/Tilt Speed	200 (default)
Zoom Speed	200 (default)
Focus Speed	64 (default)
Z Speed	400 (default)

7. 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 CamBot 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 CamBot.
  - Use the **Port** knob to select the port that you are using on the CamBot.
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

You must verify and activate remote communications/control from the CamBot Controller to be able to control it from the switcher:



1. Verify that proper communications is set up with the switcher using the **Ping** command on the CamBot Controller.
2. Toggle the **Remote** button on the CamBot Controller to on. A dialog box is displayed, indicating that the switcher is connected. Leave the dialog box open to maintain communications with the switcher.

## Compatibility

Robotic Camera	Version
Ross CamBot Camera System	2.17
<b>Switchers</b>	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	--
Vision MD/X	--
Vision QMD/X	16.0
Vision MultiPanel Support	--
<b>Automation</b>	
OverDrive	12.0
<b>Port Expanders</b>	
BSS4	*
Comtrol DeviceMaster	*