

## Radamec HK185 Robotic Camera Controller

### Requirements

- Robotic Camera Control software option
- Serial Interface Cable

### Port Connections

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

### Pinouts

Switcher	HK185
2 (Rx-)	4 (Tx-)
3 (Tx+)	9 (Rx+)
7 (Rx+)	5 (Tx+)
8 (Tx-)	8 (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 HK185 to.
  - Use the **Device** knob to select **Robotic Cam**.
2. Press **Select Device**.
  - Use the **Device** knob to select **Radamec**.
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 **ODD**.
5. Press **Extra Options**.

Extra Options	Value
Panel ID	5 (default)

Extra Options	Value
Poll	All (default)
Pan/Tilt Damping	5 (default)
Pan/Tilt Speed	64 (default)
Zoom Speed	40 (default)
Focus Speed	15 (default)
Z Speed	64 (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 HK185 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 HK185 is connected to.
  - Use the **Port** knob to select the port on the HK185 that the camera is connected to.
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> ).



Option	Description
<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**.

## Compatibility

Robotic Camera	Version
Radamec HK185	--
<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	✓