Canon NU-700N Robotic Camera

Requirements

- Robotic Camera System Interface Software Option
- Serial Interface Cables

Port Connections

	Switcher		Robotic Camera
Robotic Camera	REMOTE Port (female)	⇨	RS-232 Port
Video	Input BNC	⇨	Video Out BNC

Pinouts

Switcher	NU-700N
2 (Tx)	2 (Rx)
3 (Rx)	3 (Tx)
5 Ground	5 Ground

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 NU-700N Robotic Camera to.
   - Use the **Device** knob to select **Robotic Cam**.
2. Press **Select Device**.
   - Use the **Device** knob to select **Canon**.
3. Press **Com Type**.
   - Use the **Type** knob to select **RS-232** (**RS-232 NULL** on the **Synergy 1**).
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 NU-700N 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 NU-700N.
   - Use the **Port** knob to select the port that you are using on the NU-700N.
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 NU-700N that is connected to the switcher is configured for RS-232.

Video Production Technology

Compatibility

Robotic Camera	Version
Canon NU-700N Robotic Camera	--
Switchers	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	--
Vision MD/X	--
Vision QMD/X	16.0
Vision MultiPanel Support	--
Automation	
OverDrive	12.0
Port Expanders	
BSS4	✔
Comtrol DeviceMaster	✔

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