

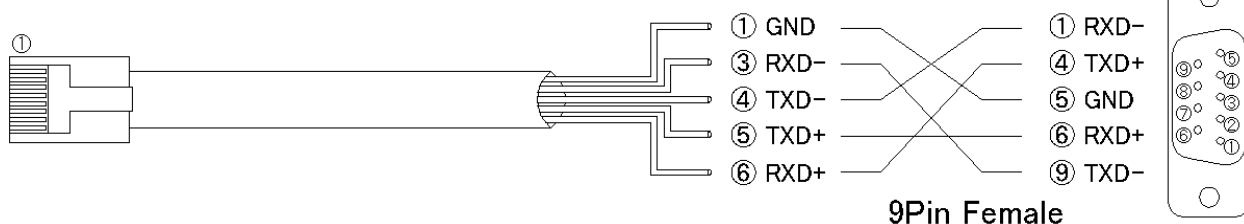
Partner: Panasonic
Model: HE-Series,UE-Series,UB-Series,HR-Series
Device Type: Camera



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Panasonic_PTZ_Camera_Series-HE-UE-UB-HR
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	<p>Functions include camera switching, PTZ control, reading preset, writing preset, picture setting, speed setting, brightness, focus and zoom.</p> <p>This module is tested for</p> <p>AW-HE50v2 AW-HE60 AW-HE120 AW-UE150 AW-HE42 AW-HN130 AW-UE70 AW-HN38 AW-HE40</p>
GENERAL NOTES:	If IP is the desired control, two TCP client symbols will be required. One symbol at port 80 is used for control and one symbol at port 31004 is used for feedback.
CRESTRON HARDWARE REQUIRED:	3-Series Processor, 4-Series Processor
SETUP OF CRESTRON HARDWARE:	RS422 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A
CABLE DIAGRAM:	Custom

RJ45



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CONTROL:

Connect	D	Latch signal to enable TCP connection.
brightness_auto_btn	D	Pulse to toggle the brightness mode between auto and manual.
focus_auto_btn	D	Pulse to toggle the focus mode between auto and manual.
focus_in_btn	D	Press and hold to focus in. Release to stop.
focus_out_btn	D	Press and hold to focus out. Release to stop.
brightness+_btn	D	Press and hold to adjust brightness in. Release to stop.
brightness-_btn	D	Press and hold to adjust brightness out. Release to stop.
zoom+_btn	D	Press and hold to zoom in. Release to stop.
zoom-_btn	D	Press and hold to zoom out. Release to stop.
zoom_1x_btn	D	Pulse to reset zoom.
tilt_up_btn	D	Press and hold to tilt camera up. Release to stop.
tilt_down_btn	D	Press and hold to tilt camera down. Release to stop.
pan_left_btn	D	Press and hold to pan camera left. Release to stop.
pan_right_btn	D	Press and hold to pan camera right. Release to stop.
tilt_up_pan_left_btn	D	Press and hold to tilt camera up and pan left. Release to stop.
tilt_up_pan_right_btn	D	Press and hold to tilt camera up and pan right. Release to stop.
tilt_down_pan_left_btn	D	Press and hold to tilt camera down and pan left. Release to stop.
tilt_down_pan_right_btn	D	Press and hold to tile camera down and pan right. Release to stop.
pan_data	A	Pan data from analog pad.
tilt_data	A	Tilt data from analog pad.
preset_btn_1-10	D	Pulse to trigger preset 1-10. Press and hold > 1s to store preset 1-10.
focus_speed	A	Focus speed data from slider.

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focus_spd_up_btn	D	Press and hold to increase focus speed. Release to stop.
focus_spd_down_btn	D	Press and hold to decrease focus speed. Release to stop.
zoom_speed	A	Zoom speed data from slider.
zoom_spd_up_btn	D	Press and hold to increase zoom speed. Release to stop.
zoom_spd_down_btn	D	Press and hold to decrease zoom speed. Release to stop.
pan_speed	A	Pan speed data from slider.
pan_spd_up_btn	D	Press and hold to increase pan speed. Release to stop.
pan_spd_down_btn	D	Press and hold to decrease pan speed. Release to stop.
tilt_speed	A	Tilt speed data from slider.
tilt_spd_up_btn	D	Press and hold to increase tilt speed. Release to stop.
tilt_spd_down_btn	D	Press and hold to decrease tilt speed. Release to stop.
{{CamControl_TCP/IP_Control_>>_Connect-F}}	D	Connect to control TCP client symbol Connect-F output.
{{CamControl_TCP/IP_Control_>>_status}}	A	Connect to control TCP client symbol status output.
{{CamControl_TCP/IP_Control_RX\$}}	S	Connect to control TCP client symbol RX\$ output.
{{CamStatus_TCP/IP_Client_>>_Connect-F}}	D	Connect to status TCP client symbol Connect-F output.
{{CamStatus_TCP/IP_Client_>>_status}}	A	Connect to status TCP client symbol status output.
{{CamStatus_TCP/IP_Client_RX\$}}	S	Connect to status TCP client symbol RX\$ output.
RS422_From_Device\$	S	Connect to RS-422 port receive.

FEEDBACK:

Connected_fb	D	Indicates TCP socket is connected.
brightness_auto_out	D	Indicates brightness auto mode enabled.
focus_auto_out	D	Indicates focus auto mode enabled.
pan_data	A	Pan value to analog pad.

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tilt_data	A	Tilt value to analog pad.
preset_stored	D	Indicates preset was stored. Signal stays high for 2 seconds.
focus_speed	A	Focus speed to slider.
zoom_speed	A	Zoom speed to slider.
pan_speed	A	Pan speed to slider.
tilt_speed	A	Tilt speed to slider.
{{Connect->>_TCP/IP_Control_CamControl}}	D	Connect to control TCP client symbol Connect input.
{{TX\$->>_TCP/IP_Control_CamControl}}	S	Connect to control TCP client symbol TX\$ input.
{{Connect->>_TCP/IP_Control_CamStatus}}	D	Connect to status TCP client symbol Connect input.
{{TX\$->>_TCP/IP_Control_CamStatus}}	S	Connect to status TCP client symbol TX\$ input.
RS422_To_Device\$	S	Connect to RS-422 port transmit.

PARAMETERS:

IP/RS422	P	Used to select the camera communication type.
Model	P	Not Used (Future Use)

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OPS USED FOR TESTING:	PRO3: v1.601.3935.27598
SIMPL WINDOWS USED FOR TESTING:	4.14.20
DEVICE DB USED FOR TESTING:	200.10.001.00
CRES DB USED FOR TESTING:	201.05.001.00
SYMBOL LIBRARY USED FOR TESTING:	1115
SAMPLE PROGRAM:	3-Series: Panasonic_PTZ_Camera_Series-HE-UE-UB-HR_Demo
REVISION HISTORY:	v1.0 – Initial Release