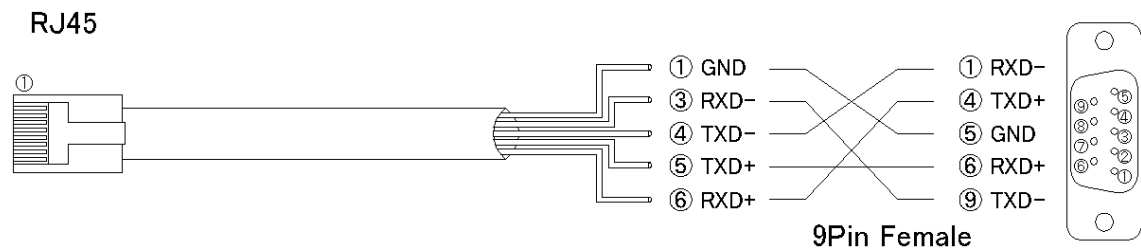


Partner: Panasonic
Model: AW-HE50, AW-HE50v2, AW-HE60, AW-HE120
Device Type: Camera



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Panasonic Remote System
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	<p>Functions include camera switching, PZT control, reading preset, writing preset, picture setting, speed setting, brightness, focus and zoom.</p> <p>This module is tested for AW-HE50v2, AW-HE60 and AW-HE120. You can change camera device by changing parameter within the module.</p> <p>You can also change the way of controlling camera device by changing parameter within the module.</p>
GENERAL NOTES:	<p>This module controls AW-HE50 and AW-HE50v2, AW-HE60 and AW-HE120 camera. Color tone changing function is not supported for AW-HE50. Day Night mode function is supported for AW-HE60 only. Press registered number when you use preset function. When you register, control camera to the desired position and press and hold your desired number over 1 second.</p> <p>When brightness or focus is set at auto, you can not control manually. Change to manual control to control brightness or focus.</p>
CRESTRON HARDWARE REQUIRED:	X-Series Processor, 2-Series Processor
SETUP OF CRESTRON HARDWARE:	RS422 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1 Handshaking: None
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A
CABLE DIAGRAM:	Custom



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CONTROL:

cam1_btn	D	Pulse to select CAM1.
cam2_btn	D	Pulse to select CAM2.
cam3_btn	D	Pulse to select CAM3.
cam4_btn	D	Pulse to select CAM4.
cam1_rx\$	S	Serial data from CAM1. (TCP/IP and RS-422)
cam2_rx\$	S	Serial data from CAM2. (TCP/IP and RS-422)
cam3_rx\$	S	Serial data from CAM3. (TCP/IP and RS-422)
cam4_rx\$	S	Serial data from CAM4. (TCP/IP and RS-422)
cam1s_rx\$	S	Update notice from CAM1. (TCP/IP only)
cam2s_rx\$	S	Update notice from CAM2. (TCP/IP only)
cam3s_rx\$	S	Update notice from CAM3. (TCP/IP only)
cam4s_rx\$	S	Update notice from CAM4. (TCP/IP only)
map->preview_btn	D	Pulse to change "Preview" . (Use for sample program)
preview->map_btn	D	Pulse to change "Map". (Use for sample program)
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.
focus_far_btn	D	Press and hold to focus far. (If Auto Focus is enable, disable this function.)
focus_near_btn	D	Press and hold to focus near. (If Auto Focus is enable, disable this function.)
focus_auto_btn	D	Pulse to change focus mode Auto/Manual.
brightness+_btn	D	Press and hold to brightness up. (If Auto Brightness is enable, disable this function.)
brightness-_btn	D	Press and hold to brightness down. (If Auto Brightness is enable, disable this function.)
brightness_auto_btn	D	Pulse to change brightness mode Auto/Manual.
tilt_up_btn	D	Press and hold to tilt up. Release to stop.
tilt_down_btn	D	Press and hold to tilt down. Release to stop.
pan_left_btn	D	Press and hold to pan left. Release to stop.
pan_right_btn	D	Press and hold to pan right. Release to stop.
tilt_up_pan_left_btn	D	Press and hold to tilt up and pan left. Release to stop.
tilt_up_pan_right_btn	D	Press and hold to tilt up and pan right. Release to stop.
tilt_down_pan_left_btn	D	Press and hold to tilt down and pan left. Release to stop.
tilt_down_pan_right_btn	D	Press and hold to tilt down and pan right. Release to stop.
pan/tilt_pad_btn	D	Press and hold to enable pad control. Release to stop.
pan_data	A	Pan data from pad.

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tilt_data	A	Tilt data from pad.
preset_btn_1	D	Press and hold 1sec to save preset1. Push and release to recall preset1.
preset_btn_2	D	Press and hold 1sec to save preset2. Push and release to recall preset2.
preset_btn_3	D	Press and hold 1sec to save preset3. Push and release to recall preset3.
preset_btn_4	D	Press and hold 1sec to save preset4. Push and release to recall preset4.
preset_btn_5	D	Press and hold 1sec to save preset5. Push and release to recall preset5.
preset_btn_6	D	Press and hold 1sec to save preset6. Push and release to recall preset6.
preset_btn_7	D	Press and hold 1sec to save preset7. Push and release to recall preset7.
preset_btn_8	D	Press and hold 1sec to save preset8. Push and release to recall preset8.
preset_btn_9	D	Press and hold 1sec to save preset9. Push and release to recall preset9.
preset_btn_10	D	Press and hold 1sec to save preset10. Push and release to recall preset10.
picture_set_btn	D	Pulse to open "Picture Setting". (Use for sample program)
speed_set_btn	D	Pulse to open "Speed Setting". (Use for sample program)
speed_close_btn	D	Pulse to close "Speed Setting". (Use for sample program)
picture_close_btn	D	Pulse to close "Picture Setting". (Use for sample program).
picture_set_btn_ipad	D	Pulse to open "Picture Setting". (for iPad) (Use for sample program)
speed_set_btn_ipad	D	Pulse to open "Speed Setting". (for iPad) (Use for sample program)
speed_close_btn_ipad	D	Pulse to close "Speed Setting". (for iPad) (Use for sample program)
picture_close_btn_ipad	D	Pulse to close "Picture Setting". (for iPad) (Use for sample program)
picture_set_btn_ipod	D	Pulse to open "Picture Setting". (for iPod touch) (Use for sample program)
speed_set_btn_ipod	D	Pulse to open "Speed Setting". (for iPod touch) (Use for sample program)
speed_close_btn_ipod	D	Pulse to close "Speed Setting". (for iPod touch) (Use for sample program)
picture_close_btn_ipod	D	Pulse to close "Picture Setting". (for iPod touch) (Use for sample program)
focus_spd_down_btn	D	Press and hold to focus speed down.
focus_spd_up_btn	D	Press and hold to focus speed up.
zoom_spd_down_btn	D	Press and hold to zoom speed down.
zoom_spd_up_btn	D	Press and hold to zoom speed up.
pan_spd_down_btn	D	Press and hold to pan speed down.
pan_spd_up_btn	D	Press and hold to pan speed up.

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tilt_spd_down_btn	D	Press and hold to tilt speed down.
tilt_spd_up_btn	D	Press and hold to tilt speed up.
focus_speed	A	Focus speed from slider.
zoom_speed	A	Zoom speed from slider.
pan_speed	A	Pan speed from slider.
tilt_speed	A	Tilt speed from slider.
R_gain_down_btn	D	Press and hold to R Gain down.
R_gain_up_btn	D	Press and hold to R Gain up.
B_gain_down_btn	D	Press and hold to B Gain down.
B_gain_up_btn	D	Press and hold to B Gain up.
R_ped_down_btn	D	Press and hold to R Ped down.
R_ped_up_btn	D	Press and hold to R Ped up.
b_ped_down_btn	D	Press and hold to B Ped down.
b_ped_up_btn	D	Press and hold to B Ped up.
awb_btn	D	Pulse to set AWB.
abb_btn	D	Pulse to set ABB.
r_gain_sc_btn	D	Release to send R Gain data.
b_gain_sc_btn	D	Release to send B Gain data.
r_ped_sc_btn	D	Release to send R Ped data.
b_ped_sc_btn	D	Release to send B Ped data.
day_night_btn	D	Pulse to change Day/Night mode.
r_gain_data	A	R Gain data from slider.
b_gain_data	A	B Gain data from slider.
r_ped_data	A	R Ped data from slider.
b_ped_data	A	B Ped data from slider.

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FEEDBACK:

cam1_il	D	High to indicate Camera1 selected.
cam2_il	D	High to indicate Camera2 selected.
cam3_il	D	High to indicate Camera3 selected.
cam4_il	D	High to indicate Camera4 selected.
cam1_tx\$	S	Serial data to CAM1. (TCP/IP and RS-422)
cam2_tx\$	S	Serial data to CAM2. (TCP/IP and RS-422)
cam3_tx\$	S	Serial data to CAM3. (TCP/IP and RS-422)
cam4_tx\$	S	Serial data to CAM4. (TCP/IP and RS-422)
show_preview	D	High to display "Preview" . (Use for sample program)
brightness_auto_out	D	High to enabled Auto Brightness.
focus_auto_out	D	High to enabled Auto Focus.
focus_far_active	A	Do not use. Comment out signal name.
focus_near_active	A	Do not use. Comment out signal name.
brightness+_active	A	Do not use. Comment out signal name.
brightness-_active	A	Do not use. Comment out signal name.
pan_data	A	To display Pad cursor. (Pan)
tilt_data	A	To display Pad cursor. (Tilt)
show_picture_set_btn	D	High to display "Picture Setting". (Use for sample program)
show_speed_set_btn	D	High to display "Speed Setting". (Use for sample program)
show_picture_set_btn_ipad	D	High to display "Picture Setting". (for iPad) (Use for sample program)
show_speed_set_btn_ipad	D	High to display "Speed Setting". (for iPad) (Use for sample program)
show_picture_set_btn_ipod	D	High to display "Picture Setting". (for iPod touch) (Use for sample program)
show_speed_set_btn_ipod	D	High to display "Speed Setting". (for iPod touch) (Use for sample program)
focus_speed	A	To display Focus Speed cursor.
zoom_speed	A	To display Zoom Speed cursor.
pan_speed	A	To display Pan Speed cursor.
tilt_speed	A	To display Tilt Speed cursor.
day_night_mode	D	High to enable Night mode.
r_gain_data	A	To display R Gain Cursor.
b_gain_data	A	To display B Gain Cursor.
r_ped_data	A	To display R Ped Cursor.
b_ped_data	A	To display B Ped Cursor.

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**PARAMETERS:**

cam_Type1	P	Camera1 Type. "HE50", "HE50v2", "HE60" or "HE120"
cam_Type2	P	Camera2 Type. "HE50", "HE50v2", "HE60" or "HE120"
cam_Type3	P	Camera3 Type. "HE50", "HE50v2", "HE60" or "HE120"
cam_Type4	P	Camera4 Type. "HE50", "HE50v2", "HE60" or "HE120"
cam_IP/RS422_1	P	Camera1 control protocol. "IP" or "RS422"
cam_IP/RS422_2	P	Camera2 control protocol. "IP" or "RS422"
cam_IP/RS422_3	P	Camera3 control protocol. "IP" or "RS422"
cam_IP/RS422_4	P	Camera4 control protocol. "IP" or "RS422"

TESTING:

OPS USED FOR TESTING:	MC2E:4.003.0015 QM-RMC:4.003.0015
SIMPL WINDOWS USED FOR TESTING:	3.02.14
DEVICE DB USED FOR TESTING:	43.05.006.00
CRES DB USED FOR TESTING:	32.00.001.00
SYMBOL LIBRARY USED FOR TESTING:	814
SAMPLE PROGRAM:	Panasonic_Remote_System_MC2E.smw Panasonic_Remote_System_QMRMC.smw
REVISION HISTORY:	v1.0 – Original release.