GENERAL INFORMATION

SIMPLWINDOWS NAME:	Vaddio ClearVIEW HD-18 Camera Control v1.0
CATEGORY:	Camera
VERSION:	v1.0
SUMMARY:	This module will control the Vaddio ClearVIEW HD-18 via RS232.
GENERAL NOTES:	This module provides control, real-time feedback from camera, and will also set various advanced settings. It can have up to 16 presets. Press and hold preset x input for 2 seconds and the position of camera will save onto that preset number. There is also a reset mode that when toggled on will erase any preset number when pressed afterwards. If multiple units are daisy-chained then it will be necessary to pulse the Set_Addresses input. This will set the address of each camera.
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-*
SETUP OF CRESTRON HARDWARE:	RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	DIP switch 4 should be up for the baud rate of 9600.
CABLE DIAGRAM:	A DB-9 to RJ-45 adapter is supplied with the camera for RS-232.

CONTROL:

Send_Address_Set	D	Pulse to set the addresses of the camera.
Power_<On/Off>	D	Pulse to turn the camera on or off.
Pan_Tilt_*	D	Press and hold to pan and tilt the camera.
Tilt_Speed	A	Analog signal to allow the tilt speed to be adjusted. Valid range is 0d to 14d.
Tilt_Speed_<Up/Down>	D	Pulse to adjust the tilt speed.
Tilt_Speed_Default	D	Pulse to set the tilt speed to the default value of 7d.

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Partner: Vaddio
Model: ClearVIEW HD-18
Device Type: Camera

Pan_Speed	A	Analog signal to allow the pan speed to be adjusted. Valid range is 0d to 18d.
Pan_Speed_<Up/Down>	D	Pulse to adjust the pan speed.
Pan_Speed_Default	D	Pulse to set the pan speed to the default value of 9d.
Zoom_Speed	A	Analog signal to allow the zoom speed to be adjusted. Valid range is 0d to 7d.
Zoom_<In/Out>	D	Press and hold to zoom in or out.
Zoom_Speed_<Up/Down>	D	Pulse to adjust the zoom speed.
Zoom_Speed_Default	D	Pulse to set the zoom speed to the default value of 4d.
Focus_Speed	A	Analog signal to allow the focus speed to be adjusted. Valid range is 0d to 7d.
Auto_Focus_<On/Off/Toggle>	D	Pulse to turn the auto focus on and off.
Focus_<Near/Far>	D	Press and hold to adjust the focus.
Focus_Speed_<Up/Down>	D	Pulse to adjust the focus speed.
Focus_Speed_Default	D	Pulse to set the focus speed to the default value of 4d.
Preset_<1...16>	D	Pules to recall the preset. Press and hold for 2 seconds to store the current camera position in the desired preset.
Reset_Mode	D	Pulse to put the module into preset reset mode. When the Reset_Mode_Is_On output is high, pulsing a Preset_* input will clear the stored values for that preset.
Auto_White_Balance_<On/Off>	D	Pulse to turn the auto white balance on and off.
Backlight_<On/Off>	D	Pulse to turn the backlight on and off.
IR_Recieve_<On/Off/Toggle>	D	Pulse to turn the IR receiver on and off.
Tally_Light_<On/Off>	D	Pulse to turn the tally light on and off.
ICR_Cut_Filter_<On/Off>	D	Pulse to turn the ICR cut filter on and off.
Auto_Exposure_*_Mode	D	Pulse to set the desired auto exposure mode.
Shutter_<Up/Down>	D	Pulse to adjust the shutter. Auto Exposure mode must be set to either manual or shutter priority.
Shutter_Reset	D	Pulse to set the shutter back to the default setting. Auto Exposure mode must be set to either manual or shutter priority.

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CRESTRON

Certified Module

Partner: Vaddio
Model: ClearVIEW HD-18
Device Type: Camera

CRESTRON
CERTIFIED INTEGRATED PARTNER

Aperture_<Up/Down>	D	Pulse to adjust the aperture.
Aperture_Reset	D	Pulse to set the aperture back to the default setting.
Gain_<Up/Down>	D	Pulse to adjust the gain.
Gain_Reset	D	Pulse to set the gain back to the default setting.
Red_Gain_<Up/Down>	D	Pulse to adjust the red gain.
Red_Gain_Reset	D	Pulse to set the red gain back to the default setting.
Blue_Gain_<Up/Down>	D	Pulse to adjust the blue gain.
Blue_Gain_Reset	D	Pulse to set the blue gain back to the default setting.
Iris_<Up/Down>	D	Pulse to adjust the iris.
Iris_Reset	D	Pulse to set the iris back to the default setting.
Exposure_Compensation_<On/Off>	D	Pulse to turn exposure compensation on and off.
Exposure_Compensation_<Up/Down>	D	Pulse to adjust the exposure compensation.
Exposure_Compensation_Reset	D	Pulse to set the exposure compensation back to the default setting.
IR_Receive_Return_Enable	D	Pulse to enable. Will send replies what command received from IR commander.
From_Device	S	Serial data signal to be routed from a 2 way com port.

FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state.
<Tilt/Pan/Zoom/Focus>_Speed_Gauge	A	Analog value indicating the current tilt/pan/zoom/focus speed. To be displayed on a gauge on a touch panel.
Auto_Focus_Is_<On/Off>	D	High to indicate the current auto focus state.
Reset_Mode_Is_On	D	High to indicate that the reset mode is on. Pulsing one of the Preset_<1…16> while this is high will reset the values stored for that preset.
Preset_Saved	D	Will pulse high for two seconds to indicate that the current camera position has been stored.
Auto_White_Balance_Is_<On/Off>	D	High to indicate the current auto white balance state.

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Backlight_Is_<On/Off>	D	High to indicate the current backlight state.
IR_Receive_Is_<On/Off>	D	High to indicate the current IR receive state.
Tally_Light_Is_<On/Off>	D	High to indicate the current tally light state.
ICR_Cut_Filter_Is_<On/Off>	D	High to indicate the current state of the ICR cut filter.
Auto_Exposure_Mode_Is_*	D	High to indicate the current auto exposure mode.
Exposure_Compensation_Is_<On/Off>	D	High to indicate the current exposure compensation state.
Error	D	High to indicate an error was received from the camera.
To_Device	S	Serial data signal to be routed to a 2 way com port.

TESTING:

OPS USED FOR TESTING:	v4.003.0015
SIMPL WINDOWS USED FOR TESTING:	3.01.37
DEVICE DB USED FOR TESTING:	34.00.012.00
CRES DB USED FOR TESTING:	26.00.008.00
SYMBOL LIBRARY USED FOR TESTING:	724
SAMPLE PROGRAM:	Vaddio ClearVIEW HD-18 Camera Control v1.0 Demo
REVISION HISTORY:	v1.0 – Initial Release