Partner: Sony
Model: SRG-300SE
Device Type: Camera

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony SRG-300SE IP v1.0
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	This module controls the Sony SRG-300SE via UDP.
GENERAL NOTES:	There are two ways to control the camera using the digital Pan/Tilt inputs. One way automatically changes speeds the longer you hold the input high. The pan inputs have three speeds. The tilt inputs have two speeds. The speed changes occur at two-second intervals. It is possible to enter the same speed for the speed parameters, thus eliminating the speed changes. Also, selecting the speed of default will use the default speeds preprogrammed into the module. The digital inputs for zoom will also automatically change speeds. The second way uses proportional pan tilt speeds. The current zoom position is determined. Then the speed is set based on that zoom position. Saving a preset is a three step process: 1. Move the camera to the desired position 2. Press Save (the Save_Fb will go high) 3. Preset the preset you wish to save the location to. To recall a preset, just press the preset number.
CRESTRON HARDWARE REQUIRED:	2-Series or 3-Series processor with Ethernet capabilities.
SETUP OF CRESTRON HARDWARE:	UDP Client definition in SimplWindows using port 52381.
VENDOR FIRMWARE:	v2.0.0
VENDOR SETUP:	The VISCA interface needs to be set to IP from Serial. When connected to the camera via the web browser, select the following: Setting->System->Information. Verify that the Software version is v2.0.0 or later. If it's not, please update the camera's Software version accordingly. Select the following: Setting->Network->Network. At the bottom of the Network screen will be the "Common setting" section. There is where the VISCA Interface is set to IP. Then select OK. Note: If the "VISCA Interface" option is not available on this screen, the camera Software version is not v2.0.0 nor later and needs to be updated.
CABLE DIAGRAM:	N/A

Partner: Sony
Model: SRG-300SE
Device Type: Camera

CERTIFIED INTEGRATED PARTNER

CONTROL:		
Tilt_<Up/Down>	D	Press and hold to tilt the camera.
Pan_<Left/Right>	D	Press and hold to pan the camera.
Zoom_<In/Out>	D	Press and hold to zoom the camera.
Focus_<Near/Far>	D	Press and hold to focus the camera. This will focus the camera if the camera is not in auto focus mode.
Auto_Focus_<On/Off/Toggle>	D	Pulse to turn the auto focus function on or off.
Preset_<1-25>	D	Pulse to go to the preset. If pulsed when the Preset_Save_Fb output is high, this will store the current camera position in the selected preset.
Save	D	Pulse to put the module into save mode to allow storage of presets.
Home	D	Pulse to send the camera to the home position for pan and tilt.
Enable_Proportional_Pan_Tilt	D	Hold high to use proportional pan and tilt speeds. This enables the camera to pan and tilt depending on the camera's zoom position. Hold low to use the auto speed change feature of the module.
White_Balance_Auto	D	Pulse to set the white balance to normal auto.
White_Balance_Indoor	D	Pulse to set the white balance to indoor mode.
White_Balance_Outdoor	D	Pulse to set the white balance to outdoor mode.
White_Balance_One_Push_WB	D	Pulse to set the white balance to one push WB mode.
White_Balance_ATW_Fb	D	Pulse to set the white balance to auto tracing mode.
White_Balance_Manual	D	Pulse to set the white balance to manual control mode.
Red_Gain_<Up/Down/Reset>	D	Pulse or press for manual control of R gain.
Blue_Gain_<Up/Down/Reset>	D	Pulse or press for manual control of B gain.
Auto_Exposure_Full_Auto	D	Pulse for automatic auto exposure mode.
Auto_Exposure_Manual	D	Pulse for manual exposure control mode.
Auto_Exposure_Shutter_Priority	D	Pulse for shutter priority exposure mode.
Auto_Exposure_Iris_Priority	D	Pulse for iris priority exposure mode.
Auto_Exposure_Bright	D	Pulse for bright exposure mode.

CRESTRON
Certified Module

Partner: Sony
Model: SRG-300SE
Device Type: Camera

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

Shutter_<Up/Down/Reset>	D	Press or pulse to adjust shutter setting.
Iris_<Up/Down/Reset>	D	Press or pulse to adjust iris setting.
Gain_<Up/Down/Reset>	D	Press or pulse to adjust gain setting.
Bright_<Up/Down>	D	Press or pulse to adjust bright position.
Slow_Shutter_<Auto/Manual>	D	Pulse to turn auto slow shutter on or off.
Backlight_<On/Off>	D	Pulse to turn the backlight comp on or off.
Exposure_Compensation_<On/Off/Reset>	D	Pulse to turn exposure compensation on or off.
Exposure_Compensation_<Up/Down>	D	Press to adjust the exposure compensation amount.
{{UDP/IP_Communications_>>_RX$}}	S	Serial signal connected to the RX$ output of the UDP client definition.

FEEDBACK:

Preset_<1-25>_Fb	D	High to indicate the last preset selected.
Preset_Save_Fb	D	High to indicate that the module is in save mode. Pulsing one of the Preset inputs will store the current camera location to that preset.
Preset_Busy	D	High to indicate that a preset is being recalled. You cannot select another preset while this is high.
White_Balance_Auto_Fb	D	High to indicate that the white balance mode is set to normal auto.
White_Balance_Indoor_Fb	D	High to indicate that the white balance mode is set to indoor mode.
White_Balance_Outdoor_Fb	D	High to indicate that the white balance mode is set to outdoor mode.
White_Balance_One_Push_WB_Fb	D	High to indicate that the white balance mode is set to one push WB mode.
White_Balance_ATW_Fb	D	High to indicate that the white balance mode is set to auto tracing mode.
White_Balance_Manual_Fb	D	High to indicate that the white balance mode is set to manual control mode.
Red_Gain_Level	A	Indicates the R gain level.
Blue_Gain_Level	A	Indicates the B gain level.
Auto_Exposure_Full_Auto_Fb	D	High to indicate that the automatic auto exposure mode is set.
Auto_Exposure_Manual_Fb	D	High to indicate that the manual exposure control mode is set.

Auto_Exposure_Shutter_Priority_Fb	D	High to indicate that the shutter priority exposure mode is set.
Auto_Exposure_Iris_Priority_Fb	D	High to indicate that the iris priority exposure mode is set.
Auto_Exposure_Bright_Fb	D	High to indicate that the bright exposure mode is set.
Shutter_Speed$	S	Indicates the current shutter speed setting.
Iris_Setting$	S	Indicates the current iris setting.
Gain_Setting$	S	Indicates the current gain setting.
Bright_Gain_Setting$	S	Indicates the current bright gain setting.
Bright_Iris_Setting$	S	Indicates the current bright iris setting.
Slow_Shutter_<Auto/Manual>_Fb	D	Indicates whether the auto slow shutter is on or off.
Backlight_<On/Off>_Fb	D	Indicates whether the backlight comp is on or off.
Exposure_Compensation_<On/Off>_Fb	D	Indicates whether the exposure compensation is on or off.
Exposure_Compensation_Setting$	S	Indicates the exposure compensation setting.
{{enable_>>_UDP/IP_Communications}}	D	Digital signal connected to the "enable" input of the UDP client definition.
{{TX$_>>_UDP/IP_Communications}}	S	Serial signal connected to the "TX$" input of the UDP client definition.

TESTING:

OPS USED FOR TESTING:	2-Series: v4.008.0008 3-Series: v1.501.0013
SIMPL WINDOWS USED FOR TESTING:	4.03.20
DEVICE DB USED FOR TESTING:	73.00.001.00
CRES DB USED FOR TESTING:	54.05.005.00
SYMBOL LIBRARY USED FOR TESTING:	983
SAMPLE PROGRAM:	2-Series: Sony SRG-300SE IP v1.0 Demo PRO2 3-Series: Sony SRG-300SE IP v1.0 Demo CP3
REVISION HISTORY:	v1.0 – Initial Release