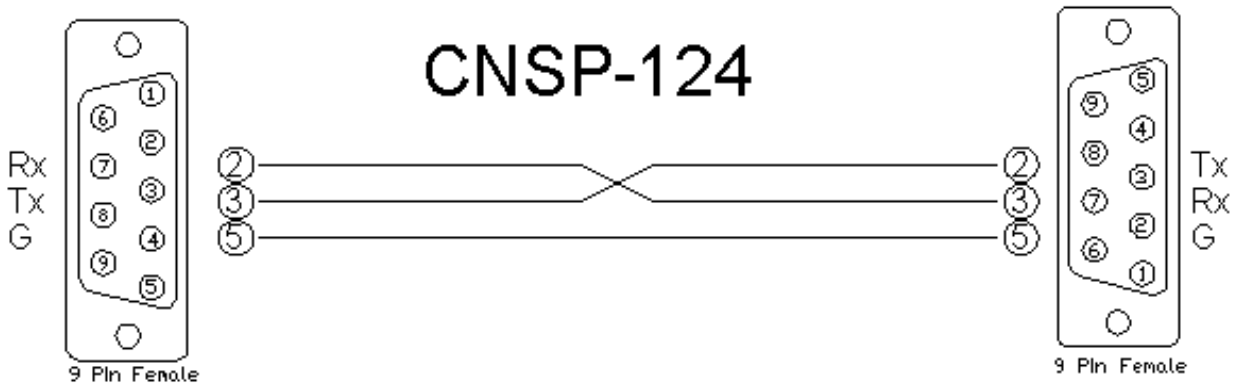
Partner: Samsung
Model: SDP-900DXR
Device Type: Document Camera

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Samsung SDP-900DXR Document Camera
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	Provides control and real feedback for the SDP-900DXR
GENERAL NOTES:	This module controls the SDP-900DXR visual presenter. All feedback is real. The module will poll the camera for 15 seconds after a button press. If it is desired to poll more often, the Poll_Enable input may be asserted.
CRESTRON HARDWARE REQUIRED:	C2-COM, CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124



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CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the presenter on and off.
***_Lamp**	D	Pulse to turn the lamp on and off.
***_Video**	D	Pulse to select the video source.
XGA/SVGA	D	Pulse to select the resolution.
NTSC/PAL	D	Pulse to select the video output type.
Aperture_On/Off/Toggle	D	Pulse to turn the aperture on and off.
Freeze_On/Off/Toggle	D	Pulse to freeze and unfreeze the image.
Preset_*_Save	D	Pulse to save the current settings as a preset.
Preset_*_Recall	D	Pulse to recall a preset.
Image_*_Save	D	Pulse to save the current image to memory in the SDP-900DXR. The memory will be erased when the SDP-900DXR is powered off.
Image_*_Recall	D	Pulse to recall a stored image. If an image has not been stored in the location selected, a black screen will be shown.
Exit_Image_Recall_Mode	D	Pulse to exit image recall mode.
Brightness_Up/Down	D	Press and hold to adjust the brightness.
Zoom_In/Out	D	Press and hold to adjust the zoom.
Focus_Near/Far	D	Press and hold to adjust the focus.
Red_Up/Down	D	Press and hold to adjust the red.
Blue_Up/Down	D	Press and hold to adjust the blue.
AWC	D	Pulse to auto-adjust the color.
Auto_Focus	D	Pulse to auto focus.
Rotate_*	D	Pulse to turn the image-rotate function on and off.
Poll_Enable	D	Assert to poll the SDP-900DXR continuously.

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From_Device$	S	Serial signal to be routed from a 2-way serial com port.

FEEDBACK:

Power_On/Off_Fb	D	High to indicate the current power state of the camera.
***_Lamp_Fb**	D	High to indicate which lamps are on.
***_Video_Fb**	D	High to indicate which video source is selected.
XGA/SVGA_Fb	D	High to indicate the current resolution.
NTSC/PAL_Fb	D	High to indicate the current video type.
Aperture_On/Off_Fb	D	High to indicate the current aperture state.
Freeze_On/Off_Fb	D	High to indicate the current image freeze state.
Image_*_Recall_Fb	D	High to indicate which stored image is currently displaying.
Image_Recall_Mode_On	D	High to indicate that the camera is in image recall mode. The only way to exit image recall mode is to pulse the Exit_Image_Recall_Mode input.
Brightness_Bar	A	Analog signal indicating the current brightness level. To be displayed on a bar graph on a touch panel.
Red_Bar	A	Analog signal indicating the current red level. To be displayed on a bar graph on a touch panel.
Blue_Bar	A	Analog signal indicating the current blue level. To be displayed on a bar graph on a touch panel.
Rotate_*_Fb	D	High to indicate the current image rotation.
To_Device$	S	Serial signal to be routed to a 2-way serial com port.

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TESTING:

OPS USED FOR TESTING:	PRO2: 3.117 CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	Samsung SDP-900DXR Demo PRO2 Samsung SDP-900DXR Demo CNMSX
REVISION HISTORY:	V. 1.0

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