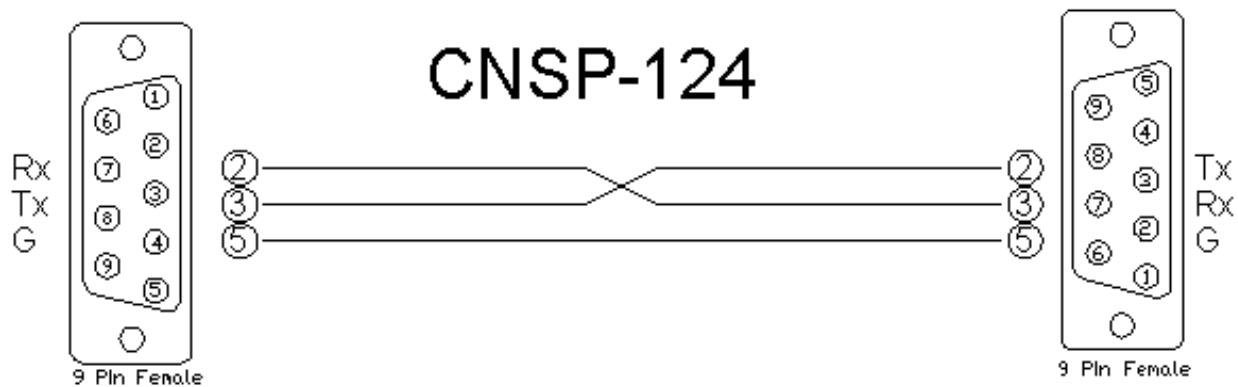


Partner: Elmo
Model: HV-C100XG
Device Type: Document Camera



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Elmo HV-C100XG
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	This module provides control and true feedback for the Elmo HV-C1000XG ceiling document camera.
GENERAL NOTES:	This module will control the Elmo HV-C1000XG Ceiling mounted document camera. It also provides true feedback.
CRESTRON HARDWARE REQUIRED:	C2I-COM, C2COM-2, C2COM-3, ST-COM, CNXCOM, CNXCOM-2
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	D	Pulse to turn the projector on and off.
White_Balance_*	D	Pulse to set the white balance mode.
Focus_+/-	D	Press and hold to adjust the focus.
Auto_Focus	D	Pulse to auto focus. This will cause the camera to auto focus once when this input is pulsed. IT DOES NOT TURN AUTO FOCUS ON.
Digital_Magnification_On/Off/Toggle	D	Pulse to turn the digital magnification on and off.
Zoom_+/-	D	Press and hold to adjust the zoom.
Iris_+/-	D	Press and hold to adjust the iris. This will have no affect when the auto iris is on.
Iris_Auto/Manual	D	Pulse to set the iris function to auto or manual.
Gamma_*	D	Pulse to set the gamma adjustment.
Aperture_On/Off/Toggle	D	Pulse to turn the aperture on and off.
Light_On/Off_Toggle	D	Pulse to turn the light on and off.
Image_Positive/Negative	D	Pulse to set the image to positive or negative.
*_Output	D	Pulse to select between color output and black and white output.
Freeze_On/Off/Toggle	D	Pulse to turn the freeze function on and off.
Local_Lockout_On/Off/Toggle	D	Pulse to turn the local lockout on and off.
Pointer_On/Off/Toggle	D	Pulse to turn the pointer on and off.
Pointer_*	D	Pulse to move the pointer when the pointer is on. Pulse to move the magnified image when image magnification is on.
Image_Rotate_*	D	Pulse to rotate the image. This is the number of degrees from normal.
F.A.M._On/Off/Toggle	D	Pulse to turn the artifact reduction mode on and off.
Image_Store_*	D	Pulse to store the current image in the memory location.

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Image_Recall_*	D	Pulse to recall the stored image.
Cancel_Image_Recall	D	Pulse to turn the image recall mode off.
Contrast_On/Off/Toggle	D	Pulse to turn the contrast enhancement on and off.
Power_Supply_Off_Timer_*	D	Pulse to set the auto power off function.
Poll_Enable	D	Hold high to enable polling.
From_Device\$	S	Serial signal to be routed from a two-way serial com port.

FEEDBACK:

White_Balance_*_Fb	D	High to indicate the current white balance mode.
Digital_Magnification_On/Off_Fb	D	High to indicate whether digital magnification is on or off.
Iris_Auto/Manual_Fb	D	High to indicate the current iris state.
Gamma_*_Fb	D	High to indicate the currently selected gamma correction.
Aperture_On/Off_Fb	D	High to indicate the current aperture state.
Light_On/Off_Fb	D	High to indicate the current state of the light.
Image_Positive/Negative_Fb	D	High to indicate the current image state.
Color/Black_&_White_Output_Fb	D	High to indicate the current output state.
Freeze_On/Off_Fb	D	High to indicate the current state of the freeze function.
Local_Lockout_On/Off_Fb	D	High to indicate the current state of the local lockout.
Pointer_On/Off_Fb	D	High to indicate the current state of the pointer.
Image_Rotate_*_Fb	D	High to indicate the current state of the image rotation.
F.A.M._On/Off_Fb	D	High to indicate the current state of the F.A.M. function.
Image_Store_*_Fb	D	High to indicate which image storage locations have images stored.
Image_Recall_*_Fb	D	High to indicate which image is being recalled.

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Contrast_On/Off_Fb	D	High to indicate the current state of the contrast enhancement.
Power_Supply_Off_Timer_*_Fb	D	High to indicate the currently selected auto power off timer setting.
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX-Pro: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	Elmo HV-C1000XG Demo
REVISION HISTORY:	V. 1.0