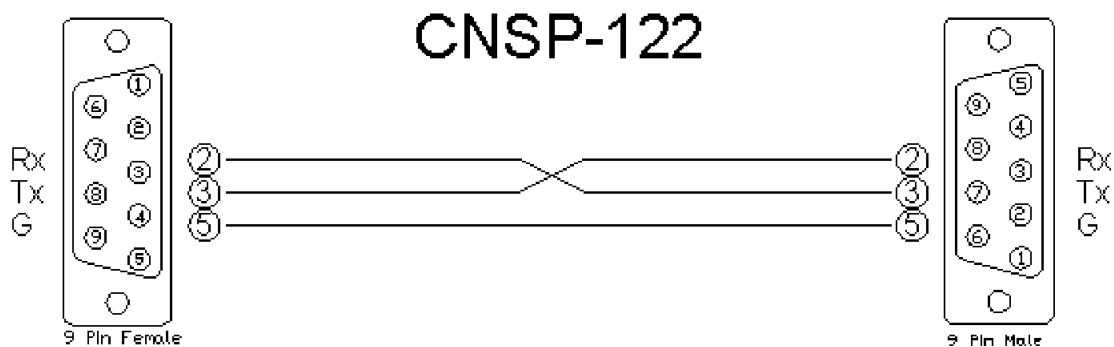


Partner: Lumens
 Model: PS750
 Device Type: Visual Presenter



GENERAL INFORMATION

| | |
|------------------------------------|--|
| SIMPLWINDOWS NAME: | Lumens PS750 v1.0 |
| CATEGORY: | Camera |
| VERSION: | v1.0 |
| SUMMARY: | This module provides serial control of Lumens Document Cameras. |
| GENERAL NOTES: | Serial control of the Lumens PS750 SXGA Desktop Document Camera |
| CRESTRON HARDWARE REQUIRED: | C2I-COM, ST-COM, C2-COM-* or CNX-COM2 |
| SETUP OF CRESTRON HARDWARE: | RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1 |
| VENDOR FIRMWARE: | Unknown |
| VENDOR SETUP: | None |
| CABLE DIAGRAM: | CNSP-122 |



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CONTROL:

| | | |
|---------------------------|---|---|
| Power_On | D | Pulse to Power on device. Does not control the lamp. |
| Power_Off | D | Pulse to Power off device. Does not control the lamp. |
| System_On | D | Pulse to Power on device and the lamp. |
| System_Off | D | Pulse to Power off device and the lamp. |
| Arm_Lights_On | D | Pulse to Power on the arm lights. |
| Backlight_On | D | Pulse to Power on the back light. |
| All_Lights_Off | D | Pulse to Power off all lights. |
| Factory_Reset | D | Pulse to return to factory reset. |
| Menu | D | Pulse to call the system menu. |
| Enter | D | Pulse to select enter. |
| Up | D | Pulse to select up. |
| Down | D | Pulse to select down. |
| Left | D | Pulse to select left. |
| Right | D | Pulse to select right. |
| Autofocus | D | Pulse to autofocus. |
| Night_Vision_On | D | Pulse to turn night vision on. |
| Night_Vision_Off | D | Pulse to turn night vision off. |
| Set_Image_Mode_Normal | D | Pulse to turn image mode to normal. |
| Set_Image_Mode_Slide | D | Pulse to turn image mode to slide mode. |
| Set_Image_Mode_Film | D | Pulse to turn image mode to film mode. |
| Set_Image_Mode_Microscope | D | Pulse to turn image mode to microscope. |
| Image_Capture | D | Pulse to capture image. |
| Record | D | Pulse to start record. |

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| | | |
|-------------------------|---|---|
| Playback_Thumbnail | D | Pulse to playback thumbnail. |
| Rotate_Home | D | Pulse to rotate home. |
| Rotate_90_Degrees | D | Pulse to rotate to 90 degrees. |
| Rotate_180_Degrees | D | Pulse to rotate to 180 degrees. |
| Rotate_270_Degrees | D | Pulse to rotate to 270 degrees. |
| Brightness_+ | D | Pulse to turn brightness up. |
| Brightness_- | D | Pulse to turn brightness down. |
| Source_Live-PC | D | Pulse to toggle through sources. |
| Color_Photo | D | Pulse for color. |
| Color_Grey | D | Pulse for gray scale. |
| Negative_Off | D | Pulse to turn negative off. |
| Negative_On | D | Pulse to turn negative on. |
| Freeze_Off | D | Pulse to turn freeze off. |
| Freeze_On | D | Pulse to turn freeze on. |
| AWB_White_Balance | D | Pulse to tune white balance. |
| Auto_Tune_White_Balance | D | Pulse to tune white balance. |
| Zoom_Start_Tele | D | Pulse to zoom in. |
| Zoom_Start_Wide | D | Pulse to zoom out. |
| Zoom_Stop | D | Pulse to stop Zoom. |
| Zoom_Position_In | A | Pass an analog value to set zoom level. |
| Focus_Position_In | A | Pass an analog value to set focus position. |
| Focus_Speed | A | Pass an analog value to set the focus speed. |
| Poll_Enabled | D | Polls the Doc Cam for current settings. |
| To_Device | S | Serial data to be routed to a 2 way com port. |

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**FEEDBACK:**

| | | |
|--------------------------|---|-------------------------------------|
| Power_Is_On | D | High when power is on. |
| Power_Is_Off | D | High when power is off. |
| System_Is_On | D | High when power is off. |
| System_Is_Off | D | High when system is off. |
| Arm_Lights_Are_On | D | High when arm lights are on. |
| Back_Lights_Are_On | D | High when back light is on. |
| All_Lights_Are_Off | D | High when all lights are off. |
| Zoom_Is_Tele | D | High when zoom in is on. |
| Zoom_Is_Wide | D | High when zoom out is on. |
| Zoom_Is_Stopped | D | High when zoom is stopped. |
| Night_Vision_Is_On | D | High when night vision is on. |
| Night_Vision_Is_Off | D | High when night vision is off. |
| Image_Mode_Is_Normal | D | High when image mode is normal. |
| Image_Mode_Is_Slide | D | High when image mode is slide. |
| Image_Mode_Is_Film | D | High when image mode is film. |
| Image_Mode_Is_Microscope | D | High when image mode is microscope. |
| Record_Is_On | D | High when record is on. |
| Rotate_Is_Home | D | High when rotate is home. |
| Rotate_Is_90_Degrees | D | High when rotate is 90 degrees. |
| Rotate_Is_180_Degrees | D | High when rotate is 180 degrees. |
| Rotate_Is_270_Degrees | D | High when rotate is 270 degrees. |
| Color_Is_Photo | D | High when color is photo. |
| Color_Is_Gray | D | High when color is grey. |

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| | | |
|-------------------------------|---|---|
| Negative_Is_Off | D | High when Negative is off. |
| Negative_Is_On | D | High when Negative is on. |
| Freeze_Is_On | D | High when Freeze is on. |
| Freeze_Is_Off | D | High when Freeze is off. |
| AWB_White_Balance_Is_On | D | AWB White Balance is on. |
| Auto_Tune_White_Balance_Is_On | D | Auto Tune White Balance is on. |
| From_Device | S | Serial data signal to be routing from a 2 way com port. |

TESTING:

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|---|--|
| OPS USED FOR TESTING: | 2-Series: v4.003.0015 3-Series: v1.002.0000 |
| SIMPL WINDOWS USED FOR TESTING: | 3.00 |
| DEVICE DB USED FOR TESTING: | 40.05.009.00 |
| CRES DB USED FOR TESTING: | 30.05.013.00 |
| SYMBOL LIBRARY USED FOR TESTING: | 508 |
| SAMPLE PROGRAM: | Lumens PS750 Demo v1.0 CP2E |
| REVISION HISTORY: | v1.0 – Initial Release |