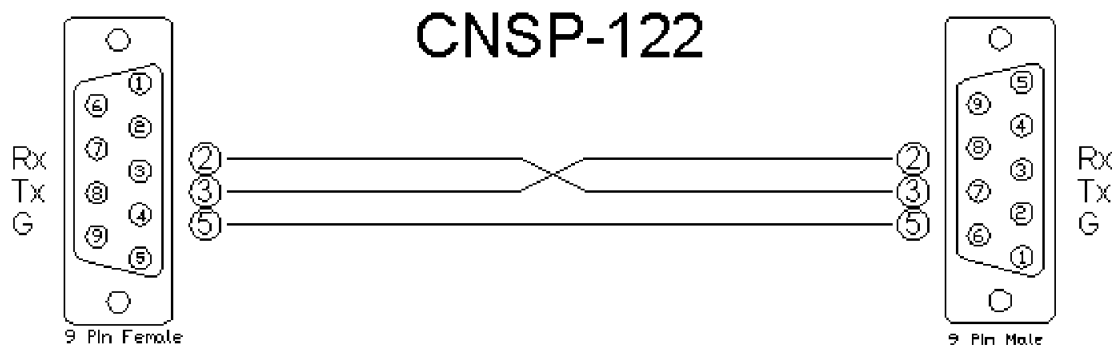


**Partner: Lumens  
Model: PS760  
Device Type: Visual Presenter**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Lumens PS760 v1.0
<b>CATEGORY:</b>	Camera
<b>VERSION:</b>	v1.0
<b>SUMMARY:</b>	This module provides control via RS232 of Lumens Document Cameras.
<b>GENERAL NOTES:</b>	Serial control of the Lumens PS760 Desktop Document Camera. This module will also control the Lumens CL510 Document Camera.
<b>CRESTRON HARDWARE REQUIRED:</b>	2-Series Processor, 3-Series Processor, C2COM3
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	v.PVL101
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-122



**Partner: Lumens**  
**Model: PS760**  
**Device Type: Visual Presenter**


**CONTROL:**

Power_On_Without_Lamp	D	Pulse to Power on device. Does not control the lamp.
Power_Off_Without_Lamp	D	Pulse to Power off device. Does not control the lamp.
System_On_With_Lamp	D	Pulse to Power on device and the lamp.
System_Off_With Lamp	D	Pulse to Power off device and the lamp.
Arm_Lights_On	D	Pulse to Power on the arm lights.
Back_Lights_On	D	Pulse to Power on the back light.
All_Lights_Off	D	Pulse to Power off all lights.
Zoom_Start_Tele	D	Pulse to zoom in.
Zoom_Start_Wide	D	Pulse to zoom out.
Zoom_Stop	D	Pulse to stop Zoom.
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.

**Partner: Lumens**  
**Model: PS760**  
**Device Type: Visual Presenter**



Image_Capture	D	Pulse to capture image.
Record	D	Pulse to start record.
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 down.
Brightness_+	D	Pulse to turn brightness up.
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.
Laser_On_(CL510)	D	Pulse to turn the laser mark on (CL510 model)
Laser_Off_(CL510)	D	Pulse to turn the laser mark off (CL510 model)
Poll_Enabled	D	Polls the Doc Cam for current settings.
Factory_Reset	D	Pulse to return to factory reset.
Zoom_Position_In	A	Pass an analog value to set zoom level.
Focus_Position_In	A	Pass an analog value to set focus position.

**Partner: Lumens**  
**Model: PS760**  
**Device Type: Visual Presenter**



Focus_Speed	A	Pass an analog value to set the focus speed.
To_Device	S	Serial data to be routed to a 2 way com port.

**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 0 degrees.
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.

**Partner: Lumens**  
**Model: PS760**  
**Device Type: Visual Presenter**



Color_Is_Photo	D	High when color is photo.
Color_Is_Gray	D	High when color is grey.
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.
Laser_Is_On_(CL510)	D	High when laser mark is on. (CL510 model)
Laser_Is_Off_(CL510)	D	High when laser mark is off. (CL510 model)
From_Device	S	Serial data signal to be routing from a 2 way com port.

**TESTING:**

OPS USED FOR TESTING:	2-Series: v.4.007.0004 3-Series: v.1.007.0019
SIMPL WINDOWS USED FOR TESTING:	v.4.02.16.00
DEVICE DB USED FOR TESTING:	v.50.00.006.00
CRES DB USED FOR TESTING:	v.39.05.002.00
SYMBOL LIBRARY USED FOR TESTING:	v.508
SAMPLE PROGRAM:	Lumens PS760 Demo v1.0 PRO2 Lumens PS760 Demo v1.0 MC3
REVISION HISTORY:	v.1.0 – Initial Release