

Partner: Lumens
Model: CL510
Device Type: Document Camera



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Lumens CL510 IP v1.0
CATEGORY:	Camera
VERSION:	v1.0
SUMMARY:	This module provides control via TCP/IP of Lumens Document Cameras.
GENERAL NOTES:	TCP/IP control of the Lumens CL510 Desktop Document Camera.
CRESTRON HARDWARE REQUIRED:	2-Series Processor, 3-Series Processor
VENDOR FIRMWARE:	v.PVL105
VENDOR SETUP:	None
CABLE DIAGRAM:	None

CONTROL:

Power_On	D	Pulse to Power on device.
Power_Off	D	Pulse to Power off device.
Power Toggle	D	Toggles Power On or Off
Laser_On	D	Pulse to Power the Laser On.
Laser_Off	D	Pulse to Power the Laser Off.
Auto_Focus	D	Pulse to initiate the Auto Focus for the image.
Rotate_Image	D	Pulse to rotate the image. This will rotate the image 90, and 180 degrees.
AutoTune_White_Balance	D	Pulse to Auto Tune the image. This function will automatically adjust the white balance and focus.
Zoom_In	D	Pulse to Zoom in the camera.
Zoom_Out	D	Pulse to Zoom out the camera.
Image_Mode	D	Pulse to cycle through the different Image modes.
Color_Mode	D	Pulse to cycle the different images for photos, or documents.

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Brightness_Up	D	Pulse to adjust the Brightness up.
Brightness_Down	D	Pulse to adjust the Brightness down.
Freeze_On	D	Pulse to Freeze the image.
Freeze_Off	D	Pulse to Unfreeze the image.
Freeze_Toggle	D	Pulse to turn the Freeze on or off.
Capture_Image	D	Pulse to capture current image on screen.
Continuous_Capture_On	D	Pulse to turn on to continually capture the images on the camera.
Continuous_Capture_Off	D	Pulse to turn off to continually capture the images on the camera.
Auto_Exposure_On	D	Pulse to turn on Auto Exposure function.
Auto_Exposure_Off	D	Pulse to turn off Auto Exposure function..
Slide_Show_On	D	Pulse to turn on the slide show..
Slide_Show_Off	D	Pulse to turn off the slide show.
Live_Image	D	Pulse to show the live image.
Playback	D	Pulse to playback thumbnail.
Cursor_Up	D	Pulse to move cursor up in the menu.
Cursor_Down	D	Pulse to move cursor down in the menu.
Cursor_Left	D	Pulse to move the cursor left in the menu.
Cursor_Right	D	Pulse to move the cursor right in the menu.
Enter	D	Pulse to select item in the menu.
Polling	D	Hold High to enable polling the camera settings.
IP Address	S	Enter the ip address for the camera.
Port	S	Enter the port number for the camera. (Default is port 80)

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FEEDBACK:

Power_Is_On	D	High when power is on.
Power_Is_Off	D	High when power is off.
Laser_Is_On	D	High when laser is on.
Laser_Is_Off	D	High when laser is off.
Zoom_Level_Gauge	A	Level feedback of current zoom level
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.
Color_Is_Photo	D	High when color is photo.
Color_Is_Text	D	High when color is text.
Color_Is_Gray	D	High when color is gray.
Brightness_Level_Gauge	A	Current level of brightness setting.
Freeze_Is_On	D	High when freeze is on.
Freeze_Is_Off	D	High when freeze is off.
Continuous_Capture_Is_On	D	High when continuous capture is on.
Continuous_Capture_Is_Off	D	High when continuous capture is off.
AutoExposure_Is_On	D	High when auto exposure is on.
AutoExposure_Is_Off	D	High when auto exposure is off.
Slide_Show_Is_On	D	High when slide show is on.
Slide_Show_Is_Off	D	High when slide show is off.

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**TESTING:**

OPS USED FOR TESTING:	2-Series: v.4.007.0004 3-Series: v.1.007.0019
SIMPL WINDOWS USED FOR TESTING:	v.4.02.20.00
DEVICE DB USED FOR TESTING:	v.51.05.005.00
CRES DB USED FOR TESTING:	v.41.00.002.00
SAMPLE PROGRAM:	Lumens CL510 IP Demo v1.0 PRO2 Lumens CL510 IP Demo v1.0 MC3
REVISION HISTORY:	v.1.0 – Initial Release