

Partner: Lumens Digital Optics Inc.
Model: LC200
Device Type: CaptureVision Station

**GENERAL INFORMATION**

SIMPLWINDOWS NAME:	Lumens LC200_v3
CATEGORY:	CaptureVision Station
VERSION:	3.0
SUMMARY:	This module will control the Lumens LC200. It uses 2-way RS232 communications, control using Crestron Touch Screen and Crestron App.
GENERAL NOTES:	1
CRESTRON HARDWARE REQUIRED:	<ol style="list-style-type: none">1. Crestron 3-Series Controller2. Com port x13. LAN port x1
SETUP OF CRESTRON HARDWARE:	RS232/RS485 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1 TCP IP address : Media Station's WAN IP address Port : 5080
VENDOR FIRMWARE:	none
VENDOR SETUP:	

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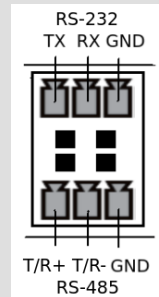
CABLE DIAGRAM:

■ **RS-232 / RS-485**

Connect the RS-232 cable to the RS-232 upper port of the media station.

Connect the RS-485 cable to the RS-485 lower port of the media station.

The pin definition of the RS-232 / RS-485 port :



■ **GND : Ground**

RX : Receive Data

TX : Transmit Data

T/R+ : D+

T/R- : D-

■ **TCP**

Connect the CAT-5 (or greater) cable to WAN (or LAN) RJ-45 port of Media Station.

CONTROL:

Initialize	D	Get the status from LC200
Power_off	D	Power off LC200
Record_Start	D	Start Record
Record_Stop	D	Stop Record
Record_get	D	Get the Record status from LC200

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Snapshot	D	Snapshot
Layout	D	Layout ID1~12 select
Layout_get	D	Get Layout ID sata
Background	D	Background off/1~9 select
Background_get	D	Get Background sata
Overlay	D	Overlay off/1~9 select
Overlay_get	D	Get Overlay sata
Scenes	D	Scenes 1~9 select
Audio_Volume	A	Set Audio Volume in1~4 and out Level
Audio_Volume_get	D	Get Audio_Volume in1~4 and out Level
Audio_mute	D	Mute in1~4 and out
Audio_mute_get	D	Get Audio Mute data from in1~4 and out
Audio_Type	D	Audio Type in1~4 and out
Audio_Type_get	D	Get Audio Type data from in1~4and out
Stream	D	Set Stream1~3
Stream_get	D	Get Stream1~3 data
Camera select	D	Camera 1~4 select
Camera Up/Down/Left/Right	D	Camera Up/Down/Left/Right
Camera_Move_speed_1~18	A	Set Camera Up/Down/Left/Right Move Speed 1~18
Camera Zoom In/Out	D	Camera Zoom In/Out
Camera_zoom_speed_1~7	A	Set Camera Zoom In/Out Speed 1~7

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Camera_Preset_call	D	Call Camera Preset1~9
Camera_Preset_save	D	Save Camera Preset1~9
Switch_CH1~4_Trig	D	Video source Channel1~4 select
Switch_CH1~4_Parameter	A	Set Video source Channel1~4 Parameter
Switch_Channel_Source_get	D	Get Video source Channel1~4 select and Parameter
Macro	D	Marco 1~3 select
Standby	D	Start Standby
Wake up	D	Start Wake up

FEEDBACK:

Initialize_Busy_fb	D	The feedback of initializing
Record_State_Text	S	Record State Information
Layout_ID_fb	D	The feedback of Layout ID
Background_fb	D	The feedback of Background
Overlay_fb	D	The feedback of Overlay ID
Scene_fb	D	The feedback of Scene ID
Audio_Volume_Level_dB	A	The feedback of Volume Level dB (0~125)
Audio_Volume_Level_gain	A	The feedback of Volume Level gain (0~65535)
Audio_mute/unmute_fb	D	The feedback of Audio Mute data
Audio_Type_fb	D	The feedback of Audio Type data
Stream_Fb	D	The feedback of Stream data
Camera_select_fb	D	The feedback of camera select 1~4
Camera_Preset_fb	D	The feedback of Camera Preset 1~9

Switch_CH_Parameter_fb	A	The feedback of Video_Source_ID Channel Parameter
Macro_fb	D	The feedback of Marco 1~3
Standby	D	The feedback of Standby status
Wake up	D	The feedback of Wake up status

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**TESTING:**

OPS USED FOR TESTING:	CP3: v1.012.0017
SIMPL WINDOWS USED FOR TESTING:	4.11.05
DEVICE DB USED FOR TESTING:	114.00.001.00
CRES DB USED FOR TESTING:	88.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	1101
SAMPLE PROGRAM:	3-Series: CP3-LC200_v3.smw
REVISION HISTORY:	V3.0