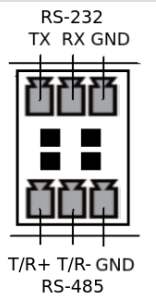# CRESTRON
HELP FILE DOCUMENT

Manufacturer: Lumens Digital Optics Inc.
Model: LC Media Processor
Device Type: CaptureVision Station

CONTACT SUPPORT: (please fill out carefully)	
COMPANY NAME:	Lumens Digital Optics Inc.
SUPPORT CONTACT:	Lumens support team
EMAIL ADDRESS:	fae@lumens.com.tw
PHONE:	+886-35526255
ADDRESS:	5F., No. 20, Taiyuan St., Zhubei City, Hsinchu County 302082, Taiwan
NOTES:	

GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Lumens LC Media Processor 2.0
CATEGORY:	CaptureVision Station
VERSION:	1.0
SUMMARY:	This module provides RS-232 / IP control of Lumens LC Media Processors
GENERAL NOTES:	RS-232 / IP control of the Lumens LC Media Processors
CRESTRON HARDWARE REQUIRED:	1. Crestron 3-Series Controller 2. Com port x1 3. 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:	Unknown

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VENDOR SETUP:	N/A

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： RS-232 TX RX GND T/R+ T/R- GND RS-485 ■**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:		
Record	D	Start record process
Stop	D	Stop record process
Record Pause	D	Pause record process
Record Resume Pause	D	Resume record pause process
Snapshot	D	Insert snapshot
Layout	D	Select Layout

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Background	D	Select Background
Overlay	D	Select Overlay
Scenes	D	Select Scenes
Audio Volume Input	D	Set Audio Volume in 1-8 and input Level
Audio Volume Output	D	Set Audio Volume in 1-8 and output Level
Audio Mute Input	D	Set Audio mute in 1-8 and input Level
Audio Mute Output	D	Set Audio mute in 1-8 and output Level
Audio Type Input	D	Set Audio type in 1-8 and input Level
Audio XLR Channel	D	Set audio XLR channel mode
Audio XLR Power	D	Set audio XLR power mode
Stream	D	Set Stream1~3
Camera Preset		Set camera of channel go to preset
Camera Save Preset	D	Save preset of camera of channel by id
Camera Move	D	Set camera move
Camera Zoom	D	Set camera zoom
Video Source ID	D	Set channel source to specific channel
Marco	D	Select Marco 1~3
Standby / Wake up	D	Set power mode to Standby or Wake up
Intermission & Live	D	Set theme as intermission or live mode

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Camera Tracking On/Off	D	Set camera of channel tracking on or off
Backup to USB	D	Copy latest record folder to USB
Bookmark	D	Insert bookmark
Record State_get	D	Get system state
Layout_get	D	Get layout ID
Background_get	D	Get background ID
Overlay_get	D	Get overlay ID
Audio Volume Input_get	D	Get Audio Volume in 1-8 and input Level
Audio Volume Output_get	D	Get Audio Volume in 1-8 and output Level
Audio Mute Input_get	D	Get Audio mute in 1-8 and input Level
Audio Mute Output_get	D	Get Audio mute in 1-8 and output Level
Audio Type Input_get	D	Get Audio type in 1-8 and input Level
Audio XLR Channel	D	Get audio XLR channel mode
Audio XLR Power	D	Get audio XLR power mode
Stream_ get	D	Get Stream1~3
Video Source Total Number_ get	D	Get channel source to specific channel
Current Video Source ID_get	D	Get channel source current index

FEEDBACK: (*examples below)		
Record_State_Text	S	Record State Information

Manufacturer: Lumens Digital Optics Inc.
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Device Type: CaptureVision Station

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 / Wake up	D	The feedback of Standby /Wake up status

PARAMETERS:		
NA		

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:	LC Media Processor_Xpanel.c3p
REVISION HISTORY:	v1.0 – Initial Release