



Manufacturer: Lumens Digital Optics Inc.  
 Model: OIP-N60D, OIP-N40E  
 Device Type: Video Processing

CONTACT SUPPORT: (please fill out carefully)	
COMPANY NAME:	Lumens Digital Optics Inc.
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NOTES:	

GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Lumens OIP-N
CATEGORY:	Video Processing
VERSION:	1.0
SUMMARY:	This module enables IP control of the Lumens OIP-N60D, OIP-N40E through the TCP/IP http protocol.
GENERAL NOTES:	IP control of the Lumens OIP-N series, by CGI command.
CRESTRON HARDWARE REQUIRED:	1. Crestron 3-Series/4-Series Controller 2. LAN port x1
SETUP OF CRESTRON HARDWARE:	TCP/IP/ HTTP IP address : OIP-N IP address Port : 80
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	N/A
CABLE DIAGRAM:	<p style="text-align: center;">■ TCP</p> Connect the CAT-5 (or greater) cable to RJ-45 port of Device.



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CONTROL:		
Encoder/Decoder connection	D	Connect Encoder/Decoder
Set IP Address	S	Enter Encoder/Decoder IP address
Username	S	Enter Encoder/Decoder username
Password	S	Enter Encoder/Decoder password
Hello	D	Tally hello
Stream Type_NDI	D	Set Encoder Stream type to NDI
Stream Type_RTSP	D	Set Encoder Stream type to RTSP
Video Input Source_HDMI	D	Set Encoder Video Input Source to HDMI
Video Input Source_DP	D	Set Encoder Video Input Source to DP
Audio_Stream on/off	D	Enable/Disable Audio Stream
Encoder Audio Out on/off	D	Enable/Disable Encoder Audio AUX
Audio_Stream_In_HDMI	D	Set Encoder Audio Stream in to HDMI
Audio_Stream_In_Audio	D	Set Encoder Audio Stream in to Audio
Audio In_Volume	A	Enter Encoder Audio Line in level
Audio Out_Volume	A	Enter Encoder Audio Line out level
Audio_Stream_In_Volume	A	Enter Audio Stream_in level
Apply	D	Apply setting
Set Video Out Type	D	Set Decoder Output resolution 0: By pass 1: Native EDID



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		2: 4K@60 3: 4K@59.94 4: 4K@50 5: 4K@30 6: 4K@29.97 7: 4K@25 8: 1080P@60 9: 1080P@59.94 10: 1080P@50 11: 1080P@30 12: 1080P@29.97 13: 1080P@25 16: 720P@60 17: 720P@59.94 18: 720P@50 19: 720P@30 20: 720P@29.97 21: 720P@25
Virtual USB Output on/off	D	Enable/Disable Decoder Virtual USB Output
Decoder Audio Out on/off	D	Enable/Disable Decoder AUX
Audio Out Follow Stream	D	Set Decoder AUXIn follow stream
Audio Out_Follow Routing	D	Set Decoder AUXIn follow Routing
Audio In_Volume	A	Enter Decoder Audio Line in level
Audio Out_Volume	A	Enter Decoder Audio Line out level
Set layout as Quad Cross	D	Set layout as Quad Cross
Set layout as Crop	D	Set layout as Crop
Source Switch	D	Switch source list on Decoder
Source No.	S	Manual enter Source No.



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Play	D	Play Manual enter Source No.
Reboot	D	Encoder/Decoder Reboot
Factory Reset	D	Encoder/Decoder Factory Reset

**FEEDBACK: (\*examples below)**

Stream Type Inquiry	D	Get Encoder Stream Type
Audio Stream Inquiry	D	Get Encoder Audio Stream status
Audio Out Inquiry	D	Get Encoder Audio AUX status
Audio Stream In Inquiry	D	Get Encoder Stream In type
Audio_Volume_Inquiry	D	Get Encoder Audio Volume status
Audio Out_Inquiry	D	Inquiry Decoder Line in/out Volume

**PARAMETERS:**

OIP-N Encoder/Decoder IP Address	S	IP address of the OIP-N Encoder/Decoder being controlled.
Username	S	Username when authentication method is Digest or Basic
Password	S	Password when authentication method is Digest or Basic

**TESTING:**

<b>OPS USED FOR TESTING:</b>	RMC4 : 2.8000.00003
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.2500.04
<b>DEVICE DB USED FOR TESTING:</b>	200.285.001.00
<b>CRES DB USED FOR TESTING:</b>	219.05.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1193
<b>SAMPLE PROGRAM:</b>	Crestron_OIP-N_Xpanel.c3p



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**REVISION HISTORY:**

v1.0 – Initial Release