





OIP-N40E

Video to IP/ NDI HX HD Encoder







NDI HX3

HEVC(H.265) PoE

The OIP-N40E encodes HDMI video to NDI HX and IP formats at very low latency. The device enables users to send and receive USB (UVC/UAC) and DisplayPort signals over IP networks.

Key Features

- Support RTSP, NDI HX3, NDI HX2
- Delivers pristine 1080P video quality with ultra-low latency
- Long-distance HDMI, USB and DisplayPort transmission
- Supports PoE and USB power for easy installation
- Dual Tally lights (360°)



NDI HX3 Low Latency, High Quality Video Distribution

With NDI HX, video is transmitted over local area networks. Sources can be ingested into live production, AV and streaming platforms.



Encode HDMI to IP

Encoding HDMI sources to IP allows the use of affordable and centrally managed network switches and long-distance cabling. IP video can be securely streamed locally and globally.



USB and **DisplayPort** Conversion

OIP-N40E's USB port can convert USB (UVC/UAC) and DP signals for transmission over IP. It supports USB output (webcam extension) when used with OIP-N60D.



Camera Converter

OIP-N40E converts any HDMI camera into an IP device. Locally, a tally light indicates that the camera is live, while the IP signal is transmitted to decoders, computers or streaming platforms. OIP-N40E features a pass thru HDMI output.







Product Specifications

HDMI Input HDMI x1 HDMI Output HDMI x1 USB Input/Output Type-C x1 (Support DP Alt-Mode) Audio Input Line In/MIC In, 3.5mm x1 Audio Output Line Out, 3.5mm x1 Ethernet GbE LAN (RJ-45) x1 Menu Button Yes Tally Light Yes Reset Pin Yes LED Indicator Power light Status Connection light Video resolution Up to 1080p60 IP Protocol RTSP / NDI HX2 / NDI HX3 Video encoding H.264 / HEVC(H.265) Audio encoding Yes PoE Pe (IEEE802.3af) Was Was Was Was UVC Yes UAC Yes UAC Yes UAC Yes Power Osbe (USB Power Osbe (USB Power Osbe (USB) Operating Temperature O°C ~ 40°C Operating Temperature USC ~ 60°C Weight O.77lbs (350g)	Interface	
HDMI Output HDMI x1 USB Input/Output Type-C x1 (Support DP Alt-Mode) Audio Input Line In/MIC In, 3.5mm x1 Audio Output Line Out, 3.5mm x1 Ethernet GbE LAN (RJ-45) x1 Menu Button Yes Tally Light Yes Reset Pin Yes LED Indicator Power light Status Connection light Video resolution Up to 1080p60 IP Protocol RTSP / NDI HX2 / NDI HX3 Video encoding H.264 / HEVC(H.265) Audio encoding Yes PoE PE (IEEE802.3af) USB Webcam Extension Yes UVC Yes UAC Yes Power Consumption General Power OPE / USB Power consumption O°C ~ 40°C Operating Temperature O°C ~ 60°C Video Time Audio encodensing Consumers of the C	Interface	
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Network	Reset Pin	Yes
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UVC Yes General Power PoE / USB Power consumption PoE : 6 W USB : 5 W Operating Temperature O°C ~ 40°C Operating Humidity Storage Temperature -20°C ~ 60°C	Management	OSD / Web
UAC Yes General Power PoE / USB Power consumption PoE : 6 W USB : 5 W Operating Temperature O°C ~ 40°C Operating Humidity 20~80%, non-condensing Storage Temperature -20°C ~ 60°C	USB Webcam Extension	Yes
Power PoE / USB Power consumption PoE : 6 W USB : 5 W Operating Temperature 0°C ~ 40°C Operating Humidity 20~80%, non-condensing Storage Temperature -20°C ~ 60°C	uvc	Yes
Power PoE / USB Power consumption PoE : 6 W USB : 5 W Operating Temperature 0°C ~ 40°C Operating Humidity 20~80%, non-condensing Storage Temperature -20°C ~ 60°C	UAC	Yes
Power consumption PoE: 6 W USB: 5 W Operating Temperature 0°C ~ 40°C Operating Humidity 20~80%, non-condensing Storage Temperature -20°C ~ 60°C	General	
Power consumption USB: 5 W Operating Temperature 0°C ~ 40°C Operating Humidity 20~80%, non-condensing Storage Temperature -20°C ~ 60°C	Power	PoE / USB
Operating Humidity20~80%, non-condensingStorage Temperature-20°C ~ 60°C	Power consumption	
Storage Temperature -20°C ~ 60°C	Operating Temperature	0°C ~ 40°C
	Operating Humidity	20~80%, non-condensing
Weight 0.77lbs (350g)	Storage Temperature	-20°C ~ 60°C
	Weight	0.77lbs (350g)
Dimensions (W×H×D) Case Only: 125 x 89 x 25 mm	Dimensions (W×H×D)	Case Only: 125 x 89 x 25 mm

I/O Connections







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