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DIGITAL & ANALOG DEVICES

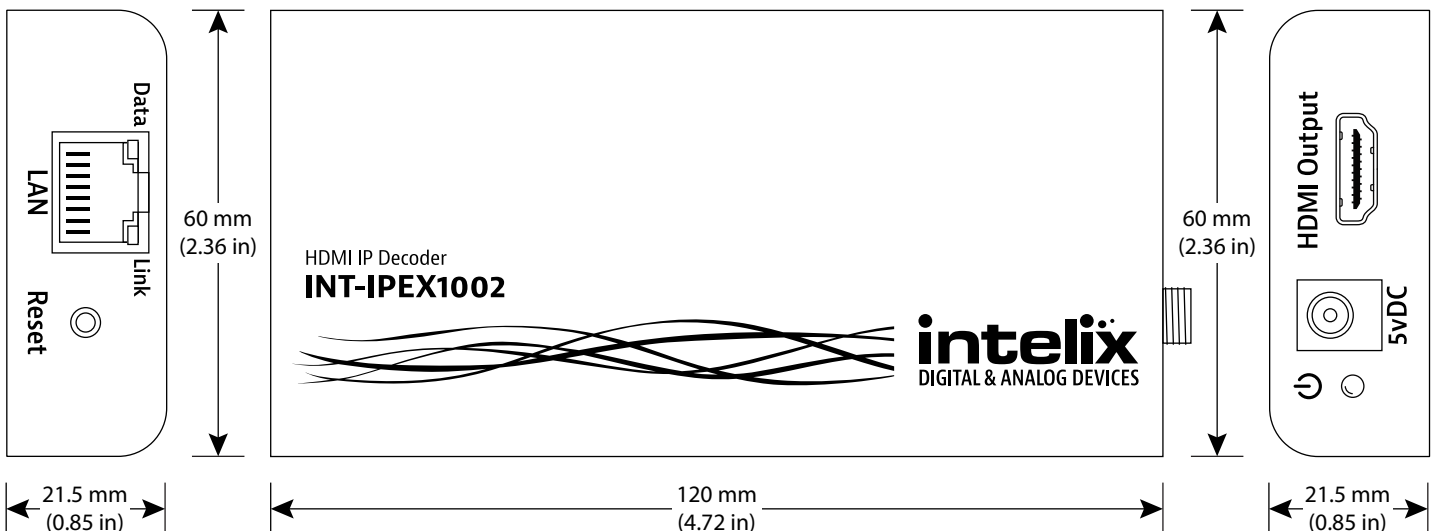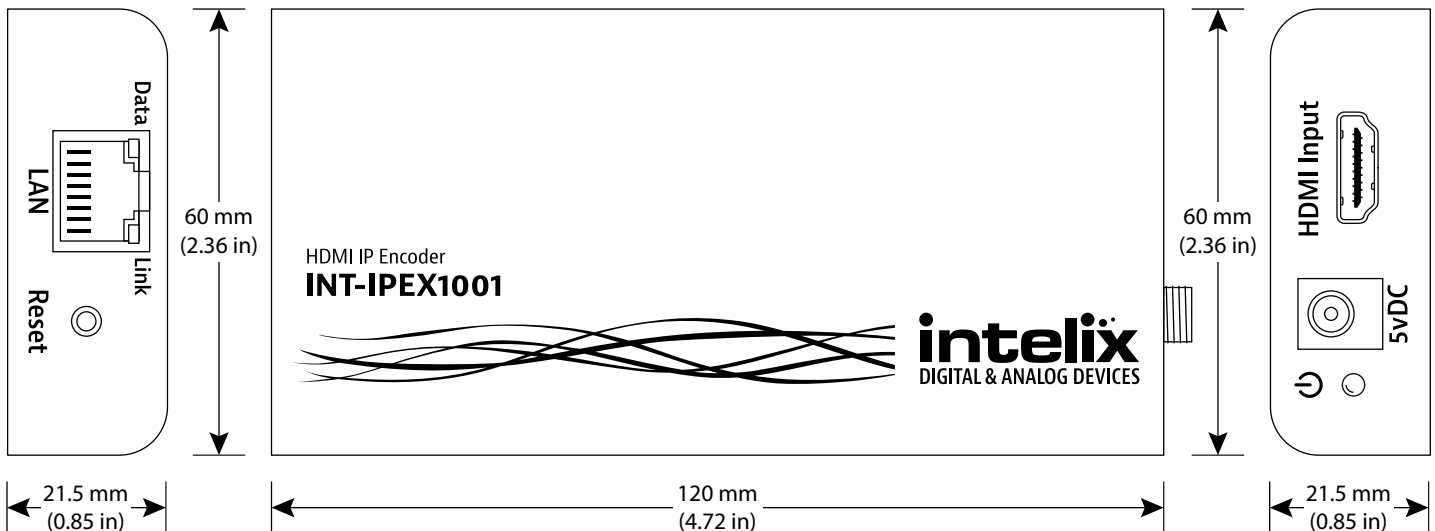# INT-IPEX1000 Technical Specifications

HDMI over IP M-JPEG Extenders
Rev 150611

The Intelix INT-IPEX1000 series extenders are designed to distribute an HDMI formatted video signal from a single source to multiple displays, such as a digital signage environment. These extenders use parts of the link layer and network layer of the OSI model to distribute the video signal.

The INT-IPEX1001 is an HDMI video to M-JPEG encoder which broadcasts the video via multicast packets through the LAN output to the entire network. The INT-IPEX1001 has a built-in EDID of 1080p/30 with 2 channel audio.

The INT-IPEX1002 receives the multicast packet stream on the LAN input and decodes the M-JPEG video back to an HDMI formatted video stream.

While the INT-IPEX1000 series extenders use Ethernet switches to distribute a video signal to multiple displays, these devices must be installed on their own dedicated network infrastructure.

HDMI IP Encoder
INT-IPEX1001

60 mm (2.36 in)
21.5 mm (0.85 in)
120 mm (4.72 in)
21.5 mm (0.85 in)

Data
LAN
Link
Reset

HDMI Input
5vDC

HDMI IP Decoder
INT-IPEX1002

60 mm (2.36 in)
21.5 mm (0.85 in)
120 mm (4.72 in)
21.5 mm (0.85 in)

Data
LAN
Link
Reset

HDMI Output
5vDC

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8001 Terrace Ave, Ste 201
Middleton, WI 53562

Phone: 608-831-0880
Toll-Free: 866-462-8649
Fax: 608-831-1833

Input/Output Connections	
LAN port	One (1) 8P8C-F
HDMI Input (INT-IPEX1001)	One (1) HDMI Type A Receptacle
HDMI Output (INT-IPEX1002)	One (1) HDMI Type A Receptacle
5vDC Input	One (1) Threaded Locking Barrel (5.5 mm OD; 2.6 mm ID)
Supported Audio and Video	
Maximum Video Compatibility	24 Bit at 1080p
Video Compliance	HDMI 1.3 and HDCP 1.3
Embedded Audio	PCM 2-channel, 44.1 and 48 KHz
Ethernet Signal Characteristics	
Maximum Distance	100m
Cable Requirements	Solid core Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Ethernet Standards	IEEE 802.3/802.3u/802.3x/802.1p/802.1q
PoE Standards	IEEE 802.3af/at (Type 1)
Transcoder Compression	Motion JPEG
Transmission Method	Multicast streaming on Link and Network layers of OSI model
Chassis and Environmental	
Enclosure Material	Galvanized Steel
Enclosure Dimensions (H x W x D)	21.5 mm x 120 mm x 60 mm (0.85 in x 4.72 in x 2.36 in)
Shipping Weight	0.18 kg (0.40 lbs)
Operating Temperature	0° to +55° C (+32° to +131° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-40° to +85° C (-40° to +185° F)
Storage Humidity	10% to 85%, Non-condensing
Power and Regulatory	
Power Consumption (INT-IPEX1001)	4.2 watts
Power Consumption (INT-IPEX1002)	3.5 watts
ESD Protection	±15 kV
Product Regulatory	CE, FCC, RoHS
Other	
Warranty	2 years
Diagnostic Indicators	Power, Link, Data
Power Supply (sold separately)	PS-5D-10
Included Accessories	Installation Guide, Rubber feet (4 ea), Mounting brackets (2 ea) with screws

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.