

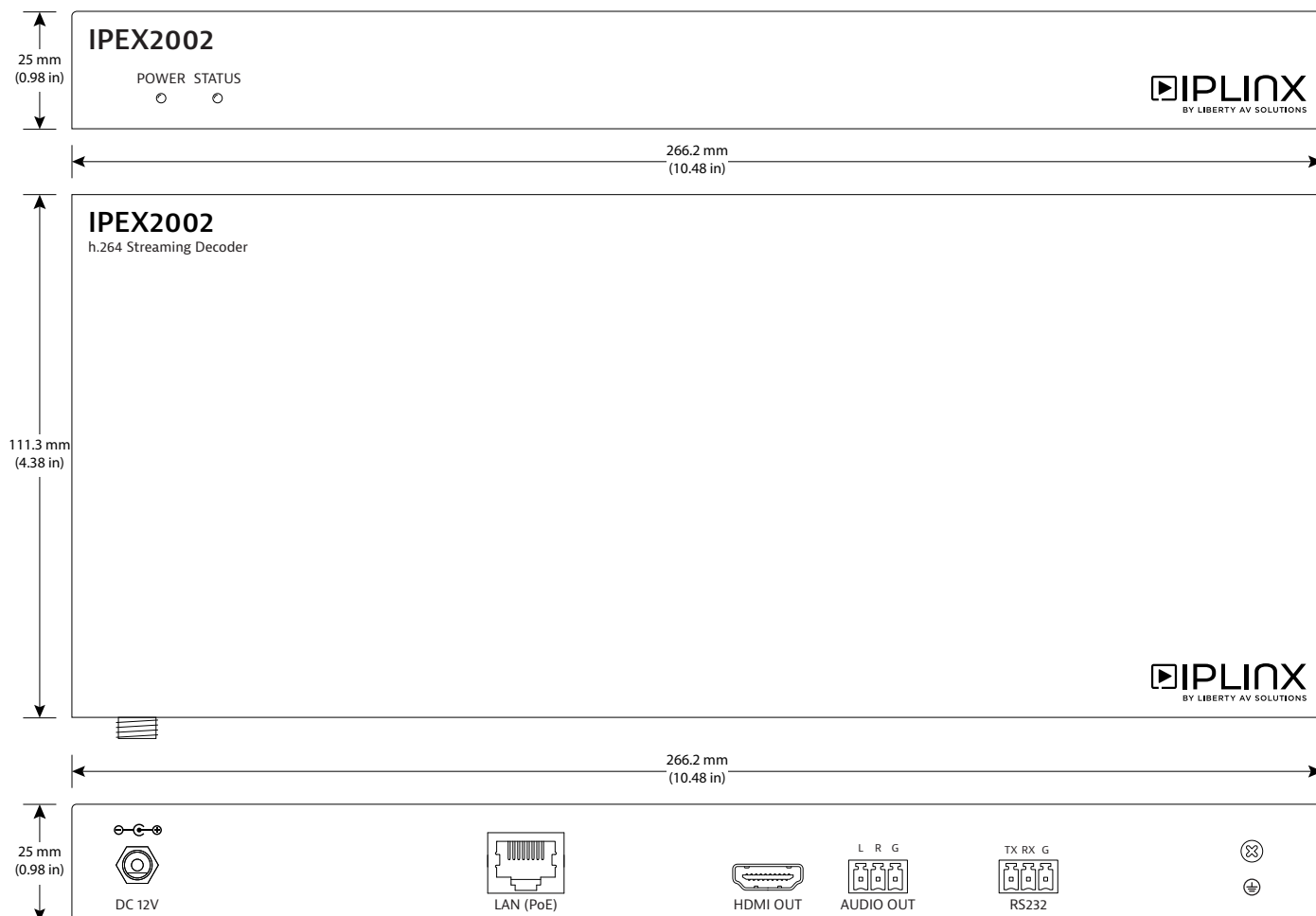
IPEX2002 Technical Specifications

AV over IP h.264 Decoder
Rev 160921

The IPLinx IPEX2002 receives HDMI video and audio over a gigabit IP network using h.264 AVC encoding with a configurable data rate up to 30 Mbps. The IPEX2002 supports video signals up to 1920x1200 at 60 Hz. The IPEX2002 outputs video up to 1920x1200 at 60 Hz and will scale the content based on the native resolution of the connected display while seamlessly switching between sources. Up to 3999 decoders may be used to create an incredible matrix or distribution system within a single installation. Depending on the needs of the installation, multiple IPEX2002 devices can be configured to make a video wall up to a 16x16 configuration. An analog audio output port de-embeds the audio from the HDMI content, while still passing the audio to the HDMI output.

The IPEX2002 supports PoE and can be powered remotely by compatible power source equipment, such as a PoE Ethernet switch, eliminating the need for a nearby power outlet. Encoding control provides adjustments for encoding bit rate and quality. The RS232 port operates in a pass-through capacity to control a third party device such as a projector.

The IPEX2002 requires an IPEXCB control box and is compatible with the IPEX2001 streaming encoders.



Input/Output Connections	
HDMI Output	One (1) HDMI Type A Receptacle
LAN	One (1) 8P8C port (Shielded RJ45)
Power	One (1) 5.5 mm OD, 2.6 mm ID Threaded Barrel
RS232 Port	One (1) 3-pin Removable Terminal Block Connector
Audio Output	One (1) 3-pin Removable Terminal Block Connector
Supported Audio, Video and Control	
Video Resolutions	SMPTE: 480p, 576p, 720p, 1080i, 1080p VESA: Resolutions up to 1920x1200 Color Depth: 24, 30, 36 bit
Video Compliance	HDMI 1.3 and HDCP 1.3
Embedded Audio	Up to PCM 6 channel, Dolby Digital, and DTS
ARC (Audio Return Channel)	No
HEC (HDMI Ethernet Channel)	No
CEC (Consumer Electronics Control)	Yes
Supported Baud Rates	2400, 4800, 9600, 19200, 38400, 57600, 115200
Streaming Signal Characteristics	
Maximum Distance (point to point)	100 m (328 ft)
Cable Requirements	Category 5e or greater with TIA/EIA-568B crimp pattern
Encoding Data Rate	64 Kbps to 30 Mbps
End to End Latency	Low Latency/Quality Mode: 79 ms High Quality Mode: 250 ms
Maximum Supported Decoders	3999
Maximum Video Wall Size	16 x 16
Chassis and Environmental	
Construction	Black Steel
Dimensions (H x W x D)	25 mm x 266.2 mm x 111.3 mm (0.98in x 10.48 in x 4.38 in)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
Power and Regulatory	
Power Input	12V DC 1A or 48V DC PoE (Power over Ethernet)
Power over Ethernet (PoE) Compatibility	802.3af Alternative A
Power Consumption	6 watts
ESD Protection	8kV air, 4kV contact
Regulatory	FCC, CE, RoHS
Other	
Warranty	2 years
Diagnostic Indicators	Power and Status
Included Accessories	Installation Guide, Power Supply, 3-pin Removable Screw Terminal (2 ea), Mounting Ears (2 ea)
IP Controller	IPEXCB
Compatible Encoder	IPEX2001

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