

Compressed 4K AV Over IP on 1Gb Networks

ZUHD60-2EA is an HDMI 2.0a, Switching, triple-input, Dante-enabled Encoder (Dual HDMI and USB-C) that is part of the ZyPerUHD60 product line. It supports IP streaming up to 4K@60 4:4:4 resolution with embedded audio, AES67 audio support; HDCP 2.3 and AES-256 encryption. This encoder has a 5-pin Phoenix/Euroblock connector for analog audio in/out and gigabit copper. Other features include USB-A, IR, RS-232 (via 3-pin Phoenix/Euroblock), and HDMI loopout. The ZUHD60-2EA requires a ZyPerUHD60 Decoder for operation and comes with an IR emitter, receiver, and wall mount bracket included. Ethernet, HDMI, USB, and audio/serial cables are not included. Can use POE or AC (20w

ZyPerUHD60-2EA



Serial Port
RS-232

IR Input and
Output ports



1G PoE
Ethernet
port

USB-C
Input

HDMI
Input 1

HDMI
Input 2

HDMI
Output

Balanced Audio
Input/Output
(5-pin Phoenix)

What's in the box?

- ZyPerUHD60 Encoder, 3x1 Switching Input, Dual LAN with Dante
- IR Emitter
- IR Receiver
- Wall Mount Brackets (2)
- Phoenix Connectors (5 pin audio, 3 pin 232)

ZyPerUHD60



Product Number: ZUHD60-2EA

ZyPerUHD60 Encoder	Information	Connector
Video (2nd HDMI and USB-C not available on Single Ethernet version)	HDMI 2.0a with HDCP pass-through and USB-C	2x HDMI type A and USB-C
Video Loopout	HDMI	HDMI type A (Not available on 0E units)
Audio (Analog)	Balanced Stereo (Input or Output)	5-pin Phoenix (3.5mm input on 0E units)
IR	Input/Output ports	3.5mm mini jacks
Audio (AES67)	2-channel	HDMI type A
Serial	Full Duplex up to 115.2 kbps	3-pin Phoenix
USB	Single USB 2.0	USB Type B
Ethernet (PoE)	1 Gb for Video/Audio/Control, 1 Gb for Dante	2x 1 Gb RJ45 port (One or two ports)
Other Specifications	ZyPerUHD60 Decoders	
Formats	Supports all major VESA resolutions and variations including: VGA: 640x480 (4:3) SXGA: 1280x1024 (5:4) 1080p/i: 1920x1080 (16:9) SVGA: 800x600 (4:3) WXGA: 1366x768 (16:9) QXGA: 2048x1536 (4:3)	XGA: 1024x768 (4:3) SXGA+: 1440x1080 (4:3) Ultra HD: 3840x2160 (16:9) HDTV: 1280x720 (16:9) UXGA: 1600x1200 (4:3) 4K: 4096x2160 (16:10)
Video Other	Color Depth: 24 bit, 30 bit	
Maximum Distance	Cat6a: 328 ft (100 m)	
Copy Protection/Security	AES-256, HDCP 2.3, 802.1X compatible	
Power consumption	Approximately 7W	
Dimensions / Weight	215mm x 25mm x 120mm (W x H x D), 705 grams	
Temperature	Operating Temperature +32°F ~ +113°F (0°C ~ +45°C) Storage Temperature -4°F ~ +158°F (-20°C ~ +70°C)	
Humidity	10% ~ 90%, non-condensing	
Accessories	Description	
ZUHD60RACK	6RU Rack mount chassis. Holds up to 10 ZyPerUHD60 encoders/decoders. Includes 4 blank panels.	
12V2APS	12 Volt, 2A Power Supply for UHD60 units. (Not compatible with 2E, 2EA, 2EMP and 1WE encoders) Not required if using PoE for power.	
20V6APS	20 Volt, 6A Power Supply for UHD60 Encoder units. (Only compatible with 2E, 2EA and 2EMP units)	
U60WPPS	ZyPerUHD60 20V 6A power supply with 2-pin phoenix connector for UHD60 Wallplate, with US power cable. (Only compatible with Wallplate Encoder)	

ENTIRE PRODUCT LINE:

ZUHD60-1E ZUHD60-1DA
ZUHD60-1EA ZUHD60-2E
ZUHD60-1D ZUHD60-2EA

ZYPERUHD60 WALL PLATES:

ZUHD60-1WE

ZUHD60-2D
ZUHD60-2DA
ZUHD60-2EMP