

## Compressed 4K AV Over IP on 1Gb Networks

ZUHD60-2EMP is an HDMI 2.0a, Switching, triple-input AVoIP Encoder (Dual HDMI and USB-C) that is part of the ZyPerUHD60 product line. It supports IP streaming up to 4KP60 4:4:4 resolution with embedded and AES67 audio support; HDCP 2.3 and AES-256 encryption. Includes integrated ZyPer Management Platform running on a dedicated processor. 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 ZUHD60-2EMP requires a ZyPerUHD60 AVoIP 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 (20v Power supply sold separately).

## ZyPerUHD60-2EMP



RS232 in/out  
(3-pin phoenix)

IR Input and  
Output ports



1G PoE  
Ethernet  
ports

USB-C  
Input

HDMI  
Input

HDMI  
Input 2

HDMI  
Output

Balanced  
Audio  
Input/Output  
(5-pin  
Phoenix)

USB Host  
Port

## What's in the box?

- ZyPerUHD60 Encoder, 3x1 Switching Input and Dual LAN
- IR Emitter
- IR Receiver
- Wall Mount Bracket

# ZyPerUHD60

Product Number: ZUHD60-2EMP

ZyPerUHD60-2EMP Encoder	Information	Connector
Video	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
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		
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	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.	
ZUHD60BP	Spare blank panel for ZUHD60RACK	
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