

ZyPer4K-XSE

Product Number: Z4KF2XS-E



Uncompressed 4K Encoder

Z4KF2XS-E is an HDMI 2.0 Encoder that is part of the ZyPer4K product line. It supports IP streaming over 10Gbit/ fiber up to 4KP60 4:4:4 resolution with embedded audio and HDCP 2.3 encryption at zero-frame latency. USB supported between ZyPer4K-XS/XR devices. Video compatible with any ZyPer4K Decoder. AC power supply is included but other cables are not.

Z4KF2XS-E



Audio In/Out
port



10Gb
Ethernet
port

1 Gb
Utility
port

HDMI
Output

HDMI
Input

USB-C
ports

What's in the box?

- ZyPer4K-XSE Encoder Fiber
- Power Supply

ZyPer4K-XSE

Product Number: Z4KF2XS-E



ZyPer4K-XSE Encoder	Information
Video Input	HDMI 2.0 with HDCP pass-through and USB-C with DP Alt Mode 1.3 Support
Video Output	HDMI 2.0 (loop-out of active video input)
USB-C Charging Input	Input USB-C power to support charging on USB-C Input port to 60W
Audio (Digital)	Encoded audio formats and linear PCM up to 8 channels
Audio (Analog)	Balanced Stereo (Input/Output)
USB	USB 2.0 (USB-C connector) Note: HID Support Only
Ethernet	10 Gb for Video/Audio/Control with 1 Gb Utility
Other Specifications	ZyPer4K-XSE Encoder
Formats	Supports all major VESA resolutions and variations including full HDMI 2.0 support: VGA: 640x480 (4:3) XGA: 1024x768 (4:3) SXGA: 1280x1024 (5:4) SXGA+: 1440x1080 (4:3) 1080p/i: 1920x1080 (16:9) Ultra HD: 3840x2160 (16:9) SVGA: 800x600 (4:3) HDTV: 1280x720 (16:9) WXGA: 1366x768 (16:9) UXGA: 1600x1200 (4:3) QXGA: 2048x1536 (4:3) 4K: 4096x2160 (17:9) Custom resolutions are supported at pixel clock rates up to 600 MHz
Video Other	Color depth: 24 bit, 30 bit, 36 bit, 48 bit
Video Wall and Multiview	Video Wall up to 15x15. Multiview with up to 19 sources
Signal transmission distance	Multimode Fiber: 300m, Single Mode Fiber: 10km
Copy Protection/Security	HDCP 2.3, AES-128 Encryption, 802.1X compatible
Power input (locking connector)	12V DC
Power	Approximately 13 watts
Dimensions (L x W x H) / Weight	7.8 in (199mm) x 5.4 in (136mm) x 1.9 in (48mm), 35.2 oz (1000g)
Temperature	Operating temperature: 32 F to 104 F <0 C to +40 C> Storage temperature: -4 F to +176 F <-20 C to +80 C>
Humidity	Operating/ Storage: 20% to 90% (Non-Condensing)
Accessories	Description
Z4KPWRCTR12	ZyPer 12V Power Center for use with up to 8 ZyPer Encoder/Decoders (all models). 1 RU. Includes rack ears, 8 3-foot locking 12V DC power cables, AC power cord.
Z4KRACKXSE	ZyPer4K-XSE Rack Mount Kit. Holds up to 8 ZyPer4K-XSE Encoders/Decoders in standard 6RU space. Includes rack assembly and 8 carrier units
Z4KVESABRK	ZyPer4K VESA Bracket is a custom wall/desk/display mount bracket for ZyPer4K. Supports standard VESA parameters for mounting directly to rear of a display. 100x100, 100x200 and 200x200 VESA hole mounts are supported.

ENTIRE PRODUCT LINE:

Z4KDECC3XS

Z4KDECF3XS

Z4KENCC3XS

Z4KENCF3XS

Z4KC2XS-E

Z4KC2XS-EAU

Z4KF2XS-E

Z4KF2XS-EAU

Z4KC2XS-D

Z4KC2XS-DAU

Z4KF2XS-D

Z4KF2XS-DAU

ZYPER4K-XS WALL PLATES:

Z4KENCC3XS-WPUS-I

REGULATORY: IEC 62368-1 / IEC 60945 (Clauses 9 & 10) / IEC 61000 / EN55032 / EN55035: / FCC Part 15B / CE / CB