Z4KENCC3

ZyPer4K HDMI 2.0 Copper Encoder with USB

Z4KENCC3 is an HDMI 2.0 Encoder that is part of the ZyPer4k product line. It supports IP streaming over 10Gbit/copper up to 4KP60 4:4:4 resolution with embedded audio and HDCP 2.3 encryption at zero−frame latency. This Encoder supports analog audio in/out as well as IR and rs232. The Z4KENCC3 requires a ZyPer4k Decoder for operation. The power supply is included but other cables are not

FEATURES

- Uncompressed 4K
- Multiview
- Video Wall
- HDMI 2.0
- HDCP 2.2
- AES Encryption

TECHNICAL SPECIFICATIONS

Video	DMI 2.0 with HDCP pass-through (Optional: 12G-SDI, DP, Analog) HDMI 2.0 type A, with optional 12G−SDI, DisplayPort 1.3 or Analog
Audio (Digital)	Encoded audio formats and LPCM up to 8 channels HDMI 2.0 type A, with optional 12G−SDI, DisplayPort 1.3 or Analog
Audio (Analog)	Unbalanced 2-Channel Stereo (In or Out) 3.5mm stereo mini jack
IR	Input/Output ports 3.5mm mini jacks
RS-232	Full Duplex up to 115.2 kbps: 9−pin D−sub
USB (Optional)	USB 2.0 USB Type B
Ethernet	10 Gb for Video/Audio/Control with 1 Gb Utility 10 Gb RJ45 or SFP+ port 1 Gb RJ45 port
Formats	• 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 (17:9) ustom 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 up to 19 sources
Signal transmission distance	Cat6a: 328 ft (100 m) or 30km fiber optic line
Copy Protection/Security	HDCP 2.2, AES−128 Encryption, 802.1X compatible
Power input (locking connector)	12 VDC 2A (Worldwide AC adapter is supplied)
Power (Standard encoder/decoder)	Approximately 15 watts
Temperature	Operating temperature − 32° F to 104° F Storage temperature − −4° F to +176° F
Humidity	Operating/ Storage − 20% to 90% (Non−Condensing)