ZyPer4K-XS

Uncompressed 4K Encoder/Decoder

Fan-less thermal management

USB HID Support

1Gb Utility Port

Support for 10Gb PoE+

Aluminum chassis with rubberized rim
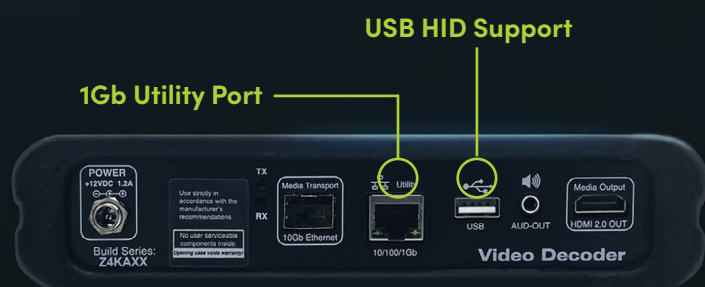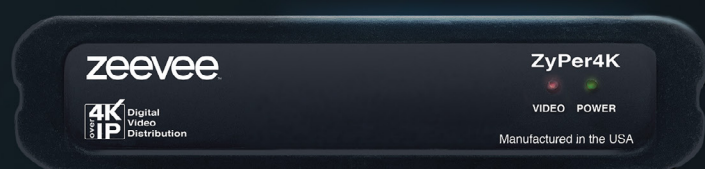
OVERVIEW

The ZyPer4K-XS is ideal for nearly any application environment, such as rental and staging, performance arts, yachts, and military or civilian applications. This platform includes an all aluminum chassis, fanless thermal management and support for 10Gb PoE+. In addition, the ZyPer4K-XS allows for the distribution and switching of high definition uncompressed video, audio and control, using ZyPer4K encoder and decoder units and off-the-shelf 10Gb Ethernet switches (both fiber and copper).

UNCOMPRESSED 4K

ZyPer4K delivers perfect pixel for pixel reproduction of uncompressed 720p, 1080p HD, Ultra HD, and 4K resolution content directly over a standard 10Gb Ethernet network. ZyPer4K eliminates the need to have a separate AV network or proprietary matrix switcher for video and other AV content.

CHANGE SOURCES AND CONTENT INSTANTLY WITHOUT PROGRAMMING

IP based architecture enables you to instantly switch from one source to another without any loss of frames – even at 4K resolutions.

UNCOMPRESSED ZERO LATENCY ULTRAHD (4K/60) VIDEO, AUDIO, AND CONTROL

LOSSLESS TRANSPORT OF 7.1 AUDIO SIGNALS INCLUDING ALL ENCODED FORMATS AND UNCOMPRESSED LINEAR PCM

HDMI 2.0 (FULL 4K 4:4:4 60HZ SUPPORT)

HDCP 2.2 COMPLIANT

128-BIT AES ENCRYPTION

SUPPORTS HDR10 AND HDR10+ AND DOLBY VISION®

ZMP (ZYPER MANAGEMENT PLATFORM) WITH SOFTWARE

GUI ALLOWS SIMPLE SET UP AND CONTROL OF ZYPER4K
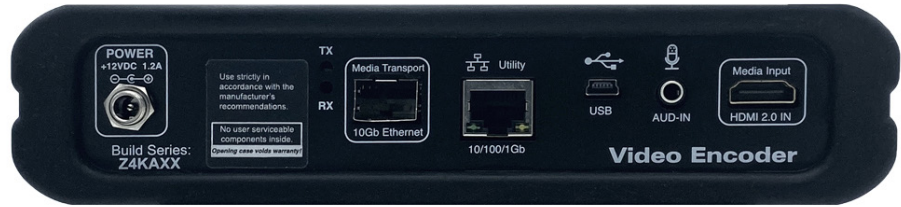
VIDEO WALL AND MULTIVIEW SUPPORT

ZyPer4K FAMILY FEATURES

zeevee
Intelligent AV Distribution

ZyPer4K-XS Encoder	Information
Video	HDMI 2.0 with HDCP pass-through
Audio (Digital)	Encoded audio formats and linear PCM up to 8 channels
Audio (Analog)	Unbalanced Stereo (Input or Output)
USB	Single USB 2.0 (USB Mini-B connector)

ZyPer4K-XS Decoder	Information
Video	HDMI 2.0 with HDCP pass-through
Audio (Digital)	Encoded audio formats and linear PCM up to 8 channels
Audio (Analog)	Unbalanced Stereo (Output)
USB	Single USB 2.0 (USB - A connector)
Ethernet	10 Gb for Video/Audio/Control with 1 Gb Utility

| ZyPer4K-XS	ZyPer4K-XS
Formats	Supports all major VESA resolutions and variations including full HDMI 2.0 support: • 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) 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	Cat6a: 100m | multimode fiber optic line: 300m | single mode fiber optic line: 10km
Copy Protection/Security	HDCP 2.2, AES-128 Encryption, 802.1X compatible
Power input (locking connector)	12V DC
Power	Approximately 15 watts
Dimensions (L x W x H) / Weight	7.8 in (199mm) x 4.6 in (116mm) x 1.9 in (47mm), 30.0 oz (850g)
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)

ZEEVEE
Intelligent AV Distribution

Z4KENCFXS–NA =
FIBER ENCODER

Z4KENCCXS–NA =
COPPER ENCODER

Z4KDECFXS–NA =
FIBER DECODER
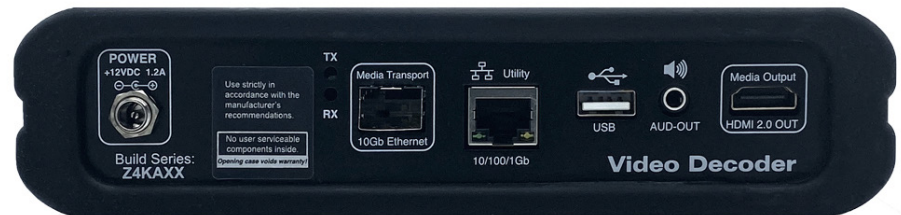
Z4KDECCXS–NA =
COPPER DECODER

About ZeeVee

ZeeVee, Inc.,headquartered in Littleton, Mass., and founded in 2007, is a leading global developer of digital technology and products for distributing audio–video content from any source or multiple sources to any number of displays. Manufactured in the U.S. and used primarily in commercial and corporate applications, ZeeVee products are employed worldwide by major organizations in education, government, hospitality, retail, sports, entertainment, broadcasting, healthcare, housing, energy and other industries. For more information visit www.zeevee.com

ZeeVee products are TAA Compliant. ZeeVee holds GSA Contract # 47QTCA19D00JZ.
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