

ZyPer4K-XR

Rugged Uncompressed 4K Encoder/Decoder



OVERVIEW

Featuring a rugged aluminum chassis with Neutrik® locking and Switchcraft® rugged connectors; fanless thermal management and support for 10Gb PoE; the ZyPer4K-XR is ideal for the most demanding application environments. Rental and staging, performance arts, yachts, as well as military and civilian applications. The ZyPer4K-XR platform 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).



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 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.

ZyPer4K FAMILY FEATURES

- ✓ UNCOMPRESSED ZERO LATENCY ULTRAHD (4K/60) VIDEO, AUDIO, AND CONTROL
- ✓ STEREO ANALOG AND DIGITAL AUDIO UP TO 8 CHANNELS
- ✓ HDMI 2.0 (FULL 4K 4:4:4 60HZ SUPPORT)
- ✓ HDCP 2.2 COMPLIANT
- ✓ 128-BIT AES ENCRYPTION
- ✓ SUPPORTS HDR10 AND HDR10+
- ✓ ZMP (ZYPER MANAGEMENT PLATFORM) WITH SOFTWARE GUI ALLOWS SIMPLE SET UP AND CONTROL OF ZYPER4K
- ✓ VIDEO WALL AND MULTIVIEW SUPPORT



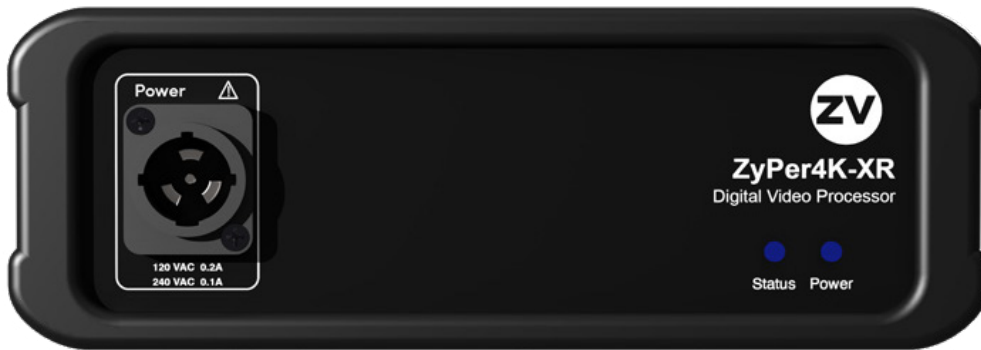
ZyPer4K FAMILY FEATURES

ZyPer4K-XR Encoder	Information	Connector
Video	HHDMI 2.0 with HDCP pass-through	Switchcraft EHHDMI2 "HDMI 2.0 type A"
Audio (Digital)	Multi-channel linear PCM up to 8 channels (7:1)	Switchcraft EHHDMI2 "HDMI 2.0 type A"
Audio (Analog)	Unbalanced Stereo (Input or Output)	Switchcraft D3F-XLR "3-pin XLR"
USB	Single USB 2.0	Switchcraft EHUSBBAX "USB Type B"
Ethernet	10 Gb for Video/Audio/Control with 1 Gb Utility	10 Gb Neutrik NE8FDX-P6 "RJ45" with PoE support or Neutrik NO2-4FDW-1-A "fiber" connector 1 Gb Neutrik NE8FDX-P6 "RJ45" port
Mounting	Mounting hole for standard truss clamps	M10 hole on each side of unit

ZyPer4K-XR Decoder	Information	Connector
Video	HDMI 2.0 with HDCP pass-through	Switchcraft EHHDMI2 "HDMI 2.0 type A"
Audio (Digital)	Multi-channel linear PCM up to 8 channels (7:1)	Switchcraft EHHDMI2 "HDMI 2.0 type A"
Audio (Analog)	Unbalanced Stereo (Output)	Switchcraft D3F-XLR "3-pin XLR"
USB	Single USB 2.0	Switchcraft EHUSBABX "USB Type A"
Ethernet	10 Gb for Video/Audio/Control with 1 Gb Utility	10 Gb Neutrik NE8FDX-P6 "RJ45" with PoE support or Neutrik NO2-4FDW-1-A "fiber" connector 1 Gb Neutrik NE8FDX-P6 "RJ45" port
Mounting	Mounting hole for standard truss clamps	M10 hole on one side of unit

Other Specifications	ZyPer4K-XR
Formats	<p>Supports all major VESA resolutions and variations including full HDMI 2.0 support:</p> <ul style="list-style-type: none"> 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)
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: 100m multimode fiber optic line: 300m
Copy Protection/Security	HDCP 2.2, AES-128 Encryption, 802.1X compatible
Power input (locking connector)	120/240 VAC (Neutrik NAC3MPX connector)
Power	Approximately 9 watts
Dimensions (L x W x H) / Weight	8.7 in (220mm) x 7.8 in (199mm) x 2.8 in (71mm), 74.0 oz (2100 g)
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)
Warranty	3 years

ZyPer4K FAMILY FEATURES



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