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).

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.
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

<table>
<thead>
<tr>
<th>Information</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video</strong></td>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td><strong>USB</strong></td>
<td>Single USB 2.0</td>
</tr>
<tr>
<td><strong>Ethernet</strong></td>
<td>10 Gb for Video/Audio/Control with 1 Gb Utility</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
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</tr>
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### ZyPer4K-XR Decoder

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### Other Specifications

- **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)

- **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
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