

# ZyPer4K-XS

Product Number: Z4KENCC3XS

## Uncompressed 4K Encoder

Z4KENCC3XS HDMI 2.0 input Encoder, with IP streaming via 10Gbit/copper. PoE. Supports HDMI and analog audio input. USB supported with between ZyPer4K XS/XR devices. Includes power supply. Compatible with any ZyPer4K Decoder. Cables not included.

### Z4KENCC3XS



10Gb PoE  
Ethernet  
port

1 Gb  
Utility  
port

USB  
port

Audio  
Input

HDMI 2.0  
Input

## What's in the box?

- ZyPer4K-XS Encoder Copper
- Power Supply

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| 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 (Output)   |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| USB                             | Single USB 2.0 (USB - A connector)   |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Ethernet                        | 10 Gb for Video/Audio/Control with 1 Gb Utility  |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Other Specifications            | ZyPer4K-XS Encoder Copper  |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Formats                         | <p>Supports all major VESA resolutions and variations including full HDMI 2.0 support:</p> <table> <tr> <td>VGA: 640x480 (4:3)</td> <td>XGA: 1024x768 (4:3)</td> </tr> <tr> <td>SXGA: 1280x1024 (5:4)</td> <td>SXGA+: 1440x1080 (4:3)</td> </tr> <tr> <td>1080p/i: 1920x1080 (16:9)</td> <td>Ultra HD: 3840x2160 (16:9)</td> </tr> <tr> <td>SVGA: 800x600 (4:3)</td> <td>HDTV: 1280x720 (16:9)</td> </tr> <tr> <td>WXGA: 1366x768 (16:9)</td> <td>UXGA: 1600x1200 (4:3)</td> </tr> <tr> <td>QXGA: 2048x1536 (4:3)</td> <td>4K: 4096x2160 (17:9)</td> </tr> </table> <p>Custom resolutions are supported at pixel clock rates up to 600 MHz</p> | 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) |
| 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)   |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| 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  |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Copy Protection/Security        | HDCP 2.2, AES-128 Encryption, 802.1X compatible  |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Power input (locking connector) | 12V DC   |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Power                           | Approximately 8 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><br>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.  |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Z4KRACKXS                       | ZyPer4K-XS Rack Mount Kit. Holds up to 8 ZyPer4K-XS Encoders/Decoders in standard 6RU space. Includes rack assembly and 8 carrier units.   |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| Z4KXSBP                         | ZyPer4K-XS Rack Mount Filler Plate Standard is used to cover unused slots in a ZyPer4K-XS Rack Mount Kit.  |                    |                     |                       |                        |                           |                            |                     |                       |                       |                       |                       |                      |
| 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

Z4KCXS-E  
Z4KCXS-EAU  
Z4KFXS-E  
Z4KFXS-EAU

Z4KCXS-D  
Z4KCXS-DAU  
Z4KFXS-D  
Z4KFXS-DAU

## ZYPER4K-XS WALL PLATES:

Z4KDECC3XS-WPEU-I  
Z4KDECC3XS-WPEU  
Z4KDECC3XS-WPUS-I  
Z4KDECC3XS-WPUS