ZyPerMX2
Dual-Channel H.264 HD Encoder

Designed to encode and deliver H.264 video up to 1080p, the ZyPerMX2 allows organizations to deliver content over any IP network. With two encoders in a single appliance, IT/AV managers can deliver more content while utilizing fewer network resources.

Flexible HD Encoding
ZyPerMX2 delivers compressed 720p and 1080p HD resolution content directly over a standard Ethernet network.

Multiple Transport and Playback Options
Receive content on a wide variety of devices, including televisions/displays, computers, and smart devices via unicast, multicast [UDP/RTP], RTMP or HLS.

Effortless Deployment
The ZyPerMX2 supports power over Ethernet (POE) reducing the need for power supplies — all you need is an Ethernet switch that supports POE. Management is also a snap via web-based administration — providing full access to configuration parameters, control, and advanced features. Streams from the ZyPerMX2 are also auto-discovered by the ZvMXE+ set-top-box.

Highlights:
- 2 HDMI inputs
- H.264/MPEG-4 AVC, RTMP and HLS encoding
- Supports up to 1080p
- Linear PCM input, MP2 or AC3 audio output
- Built-in web server for control and configuration
- Power over Ethernet [PoE] support

Models:
ZMXENC2-4
Includes up to 4 HLS streams per HDMI Input.

ZMXENC2-100
Includes up to 100 HLS streams per HDMI Input
### Input

<table>
<thead>
<tr>
<th>Video Connector</th>
<th>4 x HDMI Type A, female</th>
</tr>
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<tbody>
<tr>
<td>Audio Formats</td>
<td>Linear PCM</td>
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<tr>
<td>Closed Caption Audio</td>
<td>4 x 3.5mm jack</td>
</tr>
</tbody>
</table>

### Output

<table>
<thead>
<tr>
<th>LAN Connector</th>
<th>1 x RJ-45 (PoE), shielded</th>
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</thead>
<tbody>
<tr>
<td>Audio Formats</td>
<td>MP2, AC3</td>
</tr>
</tbody>
</table>

### Format

HDMI: 720 x 480p, 1280 x 720p, 1920 x 1080p

### Other Specifications

- **Video Encoding (output)**: H.264/MPEG-4 AVC, RTMP, HLS
- **Audio Encoding (output)**: MP2, AC3
- **Output Bit Rate**: 1 Mbps - 10 Mbps
- **Power input (locking connector)**: 12 VDC 1A (Worldwide AC adapter is supplied)
- **Dimensions (L x W x H)**: 7.09 in (180 mm) x 4.41 in (112 mm) x 1.34 in (34 mm)
- **Temperature**: Operating temperature: 32 to 104 °F (0 to +40 °C)  
  Storage temperature: -4 to +176 °F (-20 to +80 °C)
- **Humidity**: Operating/Storage humidity: 20% to 90% (non-condensing)

### ZyPerMX2 Front View

![ZyPerMX2 Front View](image)

### ZyPerMX2 Rear View

![ZyPerMX2 Rear View](image)

### About ZeeVee

ZeeVee is a global pioneer and leader in the development and deployment of AV distribution systems for industrial, commercial and residential applications. As the only manufacturer that can deliver multimedia content over fiber, CATx and coax, ZeeVee has transformed the digital video industry with its award-winning HD to Ultra-HD/4K solutions for the pro AV and IT marketplace. The company offers a variety of innovative, cost-effective and easy to install AVoIP and RF distribution platforms. ZeeVee’s technologies and products are installed in thousands of facilities worldwide where there is a need to transport HD/UHD content from multiple sources to multiple displays over long distances. ZeeVee is a founding member of the SDVoE Alliance and a Global Presence Alliance Technology Partner. For more information visit [www.zeevée.com](http://www.zeevée.com)