

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

Maestro Administration Interface

A screenshot of the Maestro Administration Interface. The interface has a dark blue header with the ZyPerMX2 logo, user information (User Name: admin), and a 'Send Emergency Alert' button. Below the header is a navigation menu with tabs for Status, Channel Plan, IP Streaming, SSL, AV Source, Device, Network, STB, EAS Config, Admin, Support, and About. The main content area shows a table of 5 connected systems. The first system is 'MX4_ZyPer_Sources' with 4 slots. Each slot is configured with 'Enabled' status, 'HLS' transport, '0.0.0.0' stream IP, '0' stream port, and '0' prog #. The streams are named 'MYTV-1' and 'MYTV-2' and are configured with 'disable' encryption, '6' high bitrate, '3' low bitrate, and '1080p30' resolution. The stream URLs are 'http://192.168.4.11/media/MYTV-1.m3u8' and 'http://192.168.4.12/media/MYTV-2.m3u8'. The interface includes 'Apply', 'Reset', and 'IP Channel Help' buttons at the top and bottom of the table.

Input		
Video	Connector	4 x HDMI Type A, female
Audio Formats	Linear PCM	
Closed Caption Audio		4 x 3.5mm jack
Output		
LAN	Connector	1 x RJ-45 (PoE), shielded
Audio Formats	MP2, AC3, AAC	
Format		
HDMI Input: 640 x 480p, 720 x 480i/p, 720x576i/p, 1280 x 720p, 1920 x 1080i/p		Streaming Output: 720 x 480p, 1280 x 720p or 1920 x 1080p
Other Specifications		
Video Encoding [output]	H.264/MPEG-4 AVC, RTMP, HLS	
Audio Encoding [output]	MP2, AC3, AAC	
Output Bit Rate	Selectable from 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 Rear View



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.

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