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, RTSP 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 STBi3 set-top-box.

Highlights:

- 2 HDMI inputs
- H.264/MPEG-4 AVC, RTMP, RTSP and HLS encoding
- Supports up to 1080p
- Direct Streaming to services such as YouTube Live, uStream and Twitch
- Linear PCM input, MP2 , AAC 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 Adminstration Interface

System	Auto-name...	Slot	Port	Enabled	Transport	Stream IP	Stream Port	Prog #	Name	Encryption	High Bitrate	Low Bitrate	Low Resolution	Stream URL
☑ 1 selected				Set All	Set All	Set All	Set All	Set All	Set All	Set All	Set All	Set All	Set All	
☑ ZyPerMX2		1		Enabled	UDP	229.1.1.12	1234	1	Guy	disable	6	3	720p30	N/A
			2	Enabled	UDP	225.1.1.13	1234	2	two	disable	6	3	720p30	N/A

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
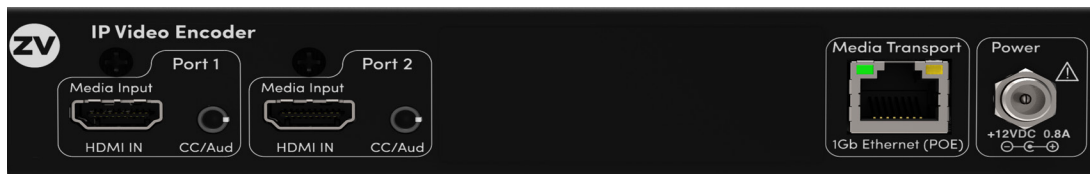
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