



AV over IP...
SIMPLIFIED

ZyPerMX

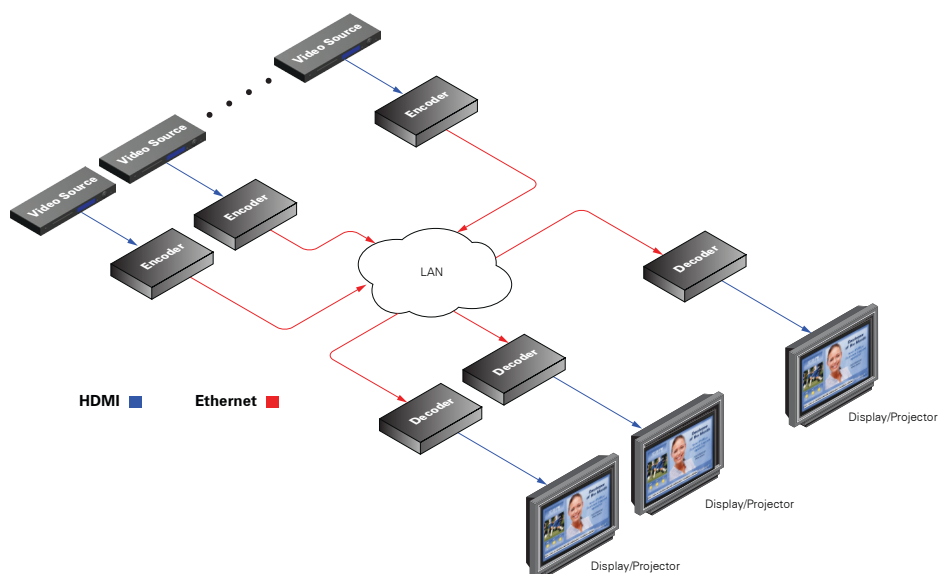
Hypervelocity Video Distribution



ZyPerMX IP Encoder by ZeeVee is a hardware platform designed to encode and distribute video over a Local Area Network. Resolutions up to 1080p Full HD and 1920 x 1200 @ 60 Hz are supported. Communicate directly with each encoder using the built-in web server, providing full access to configuration parameters, control, and features. Once connected to the network, the IP settings on the encoder can be configured automatically by a DHCP server or can be entered manually in static mode. Both multicast and unicast UDP and RTP data connections are supported. The ZyPer IP Encoder provides a complete and cost-effective solution for video-over-IP applications requiring high-performance and zero down-time in a dynamic environment.

Feature Summary:

- H.264/MPEG-4 AVC encoding
- Supports input and output resolutions up to 1080p Full HD and 1920 x 1200 @ 60 Hz
- Linear PCM input, Linear PCM or AAC audio output
- Built-in web server support facilitates control and configuration
- Configurable using DHCP or static IP addressing
- Supports an unlimited number of targets in multicast mode
- Field-upgradable firmware via built-in web server



Sample application diagram showing three HD sources distributed over a Local Area Network

Input		
Video	Connector	1 x HDMI Type A, female
Audio Formats	Linear PCM	
Output		
LAN	Connector	1 x RJ-45 (PoE), shielded
Audio Formats	Linear PCM or AAC	
Format		
HDMI: 640 x 480 @ 60Hz, 800 x 600 @ 60Hz, 1024 x 768 @ 60Hz, 1280 x 768 @ 60Hz, 1280 x 800 @ 60Hz, 1280 x 1024 @ 60Hz, 1366 x 768 @ 60Hz, 1366 x 768 @ 60Hz, 1440 x 900 @ 60Hz, 1400 x 1050 @ 60Hz, 1600 x 1200 @ 60Hz, 1680 x 1050 @ 60Hz, 1920 x 1200 @ 60Hz, 720 x 480 (480P) @ 60Hz, 720 x 576 (576P) @ 50Hz, 1280 x 720 (720P@30Hz), 1280 x 720 (720P@50Hz), 1280 x 720 (720P@60Hz), 1920 x 1080 (1080P@24Hz), 1920 x 1080(1080P@25Hz), 1920 x 1080 (1080P@30Hz), 1920 x 1080 (1080P@50Hz), 1920 x 1080 (1080P@60Hz)		
Other Specifications		
Video Encoding (output)	H.264/MPEG-4 AVC	
Audio Encoding (output)	LPCM, AAC	
Output Bit Rate	2 Mbps - 30 Mbps	
Power input (locking connector)	Input: 100 - 240 VAC \pm 10%, 50 Hz/60 Hz \pm 3 Hz, Output: 12 VDC 1A (AC adapter is supplied)	
Dimensions (L x W x H)	8.66 in (220 mm) x 9.45 in (240 mm) x 1.71 in (43.5 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)	

*For additional specifications please refer to the ZyPerMX product page on zeevee.com.

ZMXENC1 Encoder

1. Power Adapter
2. HDMI Cable
3. Ethernet Cable, connect to Network



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