

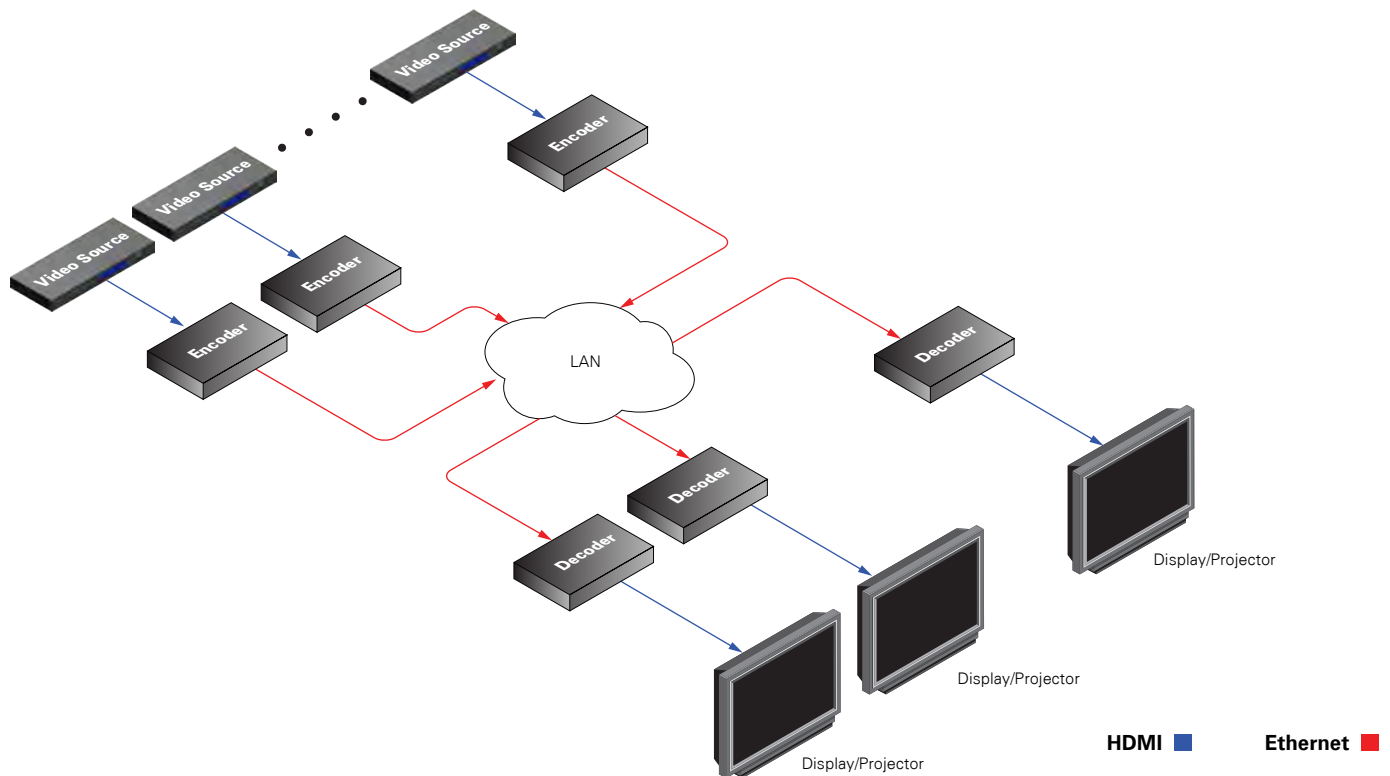
ZyPer IP Encoder by ZeeVee is a hardware platform designed to encode and distribute video over a Local Area Network. Resolutions up to 1080p Full HD and 1920 x 1200 @ 60 Hz are supported. Embedded audio, up to 8 channels, is passed through and supports Linear PCM, MPEG-1 Audio Layer 2, and Dolby® Digital formats. Communicate directly with each encoder using the built-in web server or Telnet protocol, 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.

Features include:

- H.264/MPEG-4 AVC encoding
- Supports input and output resolutions up to 1080p Full HD and 1920 x 1200 @ 60 Hz
- Linear PCM, MPEG-1 Audio Layer 2, and Dolby® Digital pass-through audio support
- Built-in web server and Telnet protocol 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



Ultra Scalable. Ultra Flexible. Ultra Savings. *It's Done.*

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ZyPerMX™

Input		ZyPerMX IP Encoder
Video	Connector	1 x HDMI Type A, female
	Formats	Supports all major VESA resolutions and variations including: <ul style="list-style-type: none"> • VGA: 640x480 (4:3) • SVGA: 800x600 (4:3) • XGA: 1024x768 (4:3) • HDTV: 1280x720 (16:9) • SXGA: 1280x1024 (5:4) • WXGA: 1366x768 (16:9) • SXGA+: 1440x1080 (4:3) • UXGA: 1600x1200 (4:3) • WUXGA: 1920x1200 (16:10) • HDTV: 1920x1080i/p (16:9)
Audio	Formats	Supports up to 8 channels of embedded audio <ul style="list-style-type: none"> • Linear PCM • MPEG-1 Audio Layer 2 • Dolby® Digital

Output		ZyPerMX IP Encoder
LAN	Connector	1 x RJ-45 (PoE), shielded
	Formats	Supports all major VESA resolutions and variations including: <ul style="list-style-type: none"> • VGA: 640x480 (4:3) • SVGA: 800x600 (4:3) • XGA: 1024x768 (4:3) • HDTV: 1280x720 (16:9) • SXGA: 1280x1024 (5:4) • WXGA: 1366x768 (16:9) • SXGA+: 1440x1080 (4:3) • UXGA: 1600x1200 (4:3) • WUXGA: 1920x1200 (16:10) • HDTV: 1920x1080i/p (16:9)
Audio	Formats	Pass-through audio (not converted)

Other Specifications	ZyPerMX IP Encoder
Video Encoding (output)	H.264/MPEG-4 AVC
Audio Encoding (output)	LPCM, AAC, MPEG-1 L2
Output Bit Rate	2 Mbps - 30 Mbps
Power Input	12 V DC, locking
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)