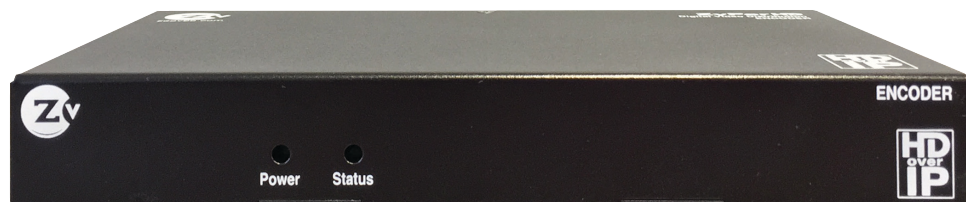




ZyPerHD™ IP Video Distribution

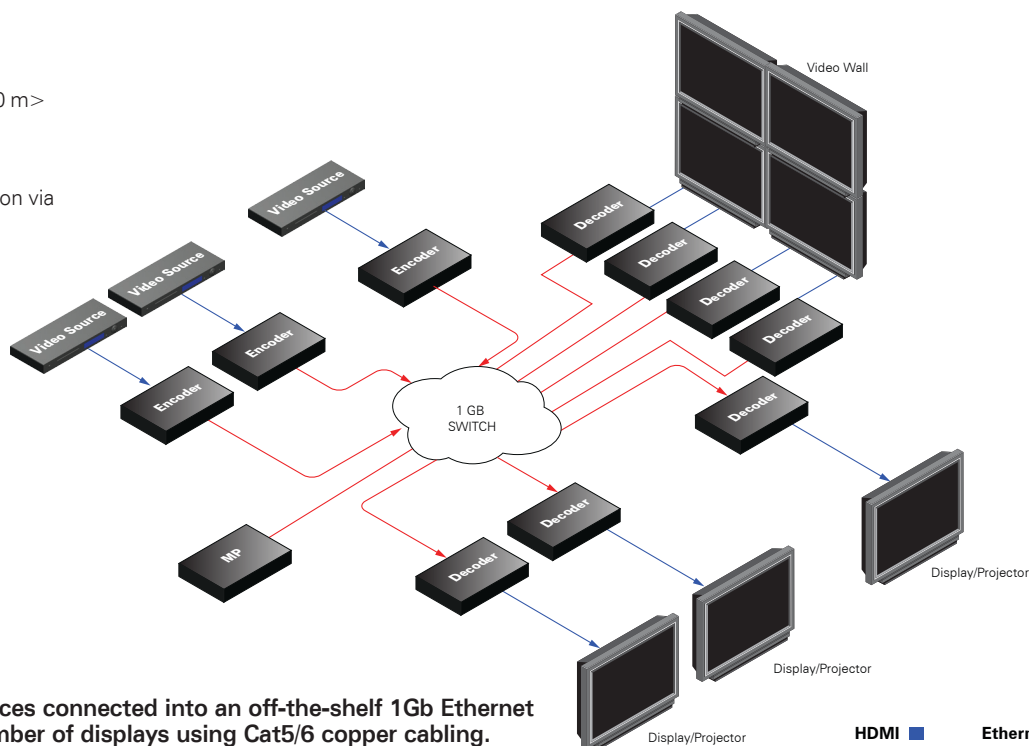


ZyPerHD by ZeeVee allows for the easy distribution and switching of high definition H.264 compressed video, audio, and other data signals using ZyPerHD encoder and decoder modules and off-the-shelf 1Gb Ethernet switches.

Features include:

- H.264 compressed HD (1080p60) video, audio, and control using off-the-shelf (OTS) 1Gb Ethernet switches. Support for both analog and digital audio.
- ZyPerHD can be easily set up, controlled and monitored using ZyPerMP with Maestro² software, or through 3rd party control systems using our Open API for custom integration
- Power over Ethernet support (PoE)
- Video Wall support up to 4x4
- Source and display control (RS232)
- HDCP v2.x compliant
- ZyPerHD can also be used in a point-to-point configuration to encode a 1080p video source across a dedicated copper connection to a display up to 100m away.

- Video** Up to 1920x1200 (HD)
Extension distance —
Cat5/6: 328ft (approx) <100 m>
- Audio** Extends analog audio and embedded digital audio
- Control** Bidirectional communication via RS-232 Control
- Other** HDCP (Pass through)



ZyPerHD distributes HDMI sources connected into an off-the-shelf 1Gb Ethernet switch to an almost infinite number of displays using Cat5/6 copper cabling.

Any Source. Any Network. Unlimited Displays.

Input		Encoder	Decoder
Video	Number/Signal	1 input/HDMI (HDCP: Pass through)	1 input/Copper UTP/STP
	Connector	1 female HDMI Type A	1 RJ45 connector
	Formats	640x480 ⁸ , 720x480 ⁸ (480p), 720x576 ⁶ (576p), 800x600 ⁸ , 1024x768 ⁸ , 1280x720 ⁶ (720p50), 1280x720 ⁸ (720p60), 1280x800 ⁸ , 1280x1024 ⁸ , 1360x768 ⁸ , 1366x768 ⁸ , 1400x1050 ⁸ , 1440x900 ⁸ , 1680x1050 ⁸ , 1920x1080 ² (1080p24), 1920x1080 ³ (1080p25), 1920x1080 ⁵ (1080p30), 1920x1080 ⁶ (1080p50), 1920x1080 ⁸ (1080p60), 1920x1200 ⁸ ² = at 24 Hz, ³ = at 25 Hz, ⁵ = at 30 Hz, ⁶ = at 50 Hz, ⁸ = 60 Hz;	
Audio (Digital)	Number/Signal	1 input/Multi-channel linear PCM up to 8 channels	1 input/Copper UTP/STP
	Connector	1 female HDMI Type A	1 RJ45 connector

Output		Encoder	Decoder
Video	Number/Signal	1 input/Copper UTP/STP	1 input/HDMI (HDCP: Pass through)
	Connector	1 RJ45 connector	1 female HDMI Type A
	Formats	H.264 1920x1080 (1080p60) at 60Hz	
Audio (Digital)	Number/Signal	1 input/Copper UTP/STP	1 input/Multi-channel linear PCM up to 8 channels
	Connector	1 RJ45 connector	1 female HDMI Type A
Audio (Analog)	Number/Signal	Unbalanced stereo	Unbalanced stereo
	Connector	1 stereo mini jack (3.5 mm)	1 stereo mini jack (3.5 mm)

Other Specifications		ZyPerHD IP Encoder/Decoder
Additional Features		Decoding video stream from encoder with bitrate up to 30Mbps
		Supports PoE
Latency		Approximately 60~90ms
Video Wall support		Supports up to 4x4
Signal transmission distance		CatX 328 ft (approx.) <100 m>
Serial Control Port	Number/Signal	1 port/Full duplex up to 115.2 kbps
	Connector	1 female 9-pin D-sub (DCE)
AC Adapter		Wall mount AC-in with personality adapters for multiple geographies
Power consumption		9W nominal 12W peak
Dimensions		Length: 7.2815 inches/185mm Height: 1.125 inches/28.5mm (includes rubber feet) Width: 4.5 inches/114.3mm (includes connectors)
Weight		572g
Temperature		0-45C operating -20 through 60C non-operating
Humidity		10% to 80% non-condensing



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