

ZyPerHD

The Perfect Balance of Quality and Bitrate

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

Send compressed Full HD 1080p video, audio, and control over ethernet

ZyPerHD delivers stunning pixel for pixel reproduction of compressed 720p and 1080p HD resolution content directly over a standard 1Gb ethernet network. ZyPerHD eliminates the need to have a separate AV network or equipment for video and other AV content.

Change sources and content instantly without programming ZyPerHD

IP based architecture enables you to quickly switch from one source to another with minimal loss of frames - even at 1080p resolutions.

Create and manage video walls up to 16 screens

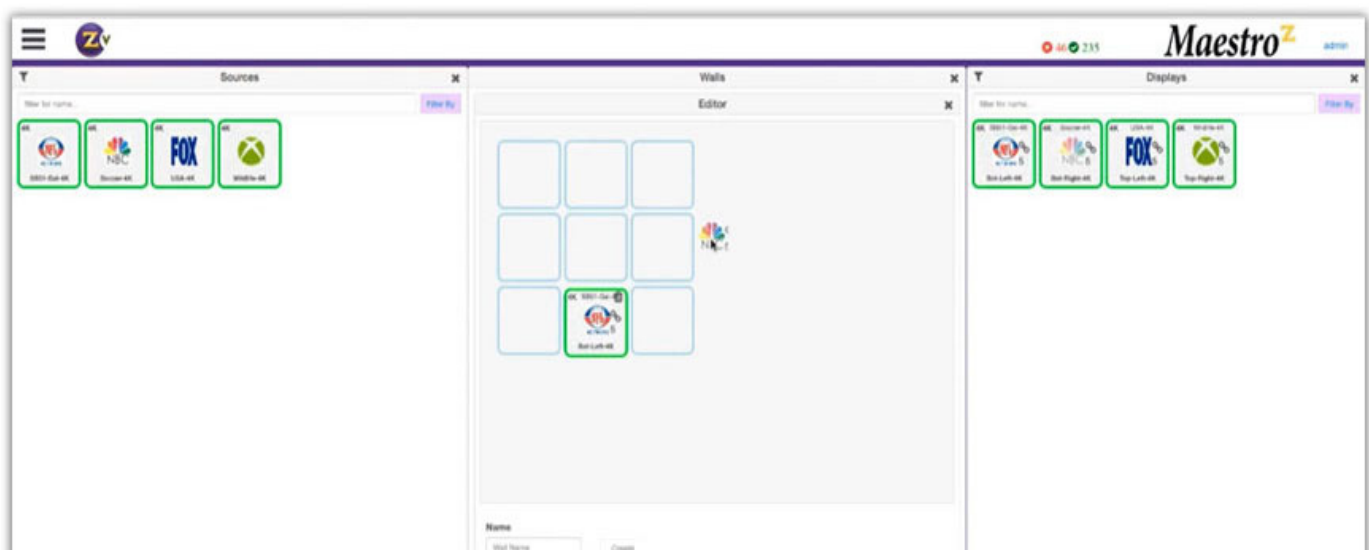
ZyPerHD can be used on multiple screens to create a video wall up to 16 screens in a 4x4 configuration. The unit automatically scales and adjusts HD source content to create a compelling wall without any extra hardware or software. You can even mix scaled images with stand-alone screens.



Highlights:

- Compressed HD [1080p60] video, audio, and control using off-the-shelf (OTS) 1Gb Ethernet switches. Support for both analog and digital audio
- ZyPerMP [Management Platform] with Maestroz software GUI allows simple set up and control of ZyPerHD. ZyPerMP also has an open API allowing control via 3rd party systems
- 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

MaestroZ Administration Interface



ZyPerHD Encoder	Information	Connector
Video	HDMI 1.4 with HDCP pass-through.	HDMI 1.4 type A
Audio (Digital)	Multi-channel linear PCM up to 8 channels	HDMI 1.4 type A
Audio (Analogue)	Unbalanced Stereo (Output)	3.5mm stereo mini jack
RS-232	Full Duplex up to 115.2 kbps	9-pin D-sub
Ethernet	1 Gbit for Video/Audio/Control	1 Gb RJ45 port

ZyPerHD Decoder	Information	Connector
Video	HDMI 1.4 with HDCP pass-through	HDMI 1.4 type A
Audio (Digital)	Multi-channel linear PCM up to 8 channels	HDMI 1.4 type A
Audio (Analogue)	Unbalanced Stereo (Output)	3.5mm stereo mini jack
RS-232	Full Duplex up to 115.2 kbps	9-pin D-sub
Ethernet	1 Gbit for Video/Audio/Control	1 Gb RJ45 port

Other Specifications	ZyPerHD Encoder	ZyPerHD Decoder
Formats	640x480, 720x480(480p), 720x576(576p), 800x600, 1024x768, 1280x720(720p50), 1280x720(720p60), 1280x800, 1280x1024, 1360x768, 1366x768, 1400x1050, 1440x900, 1680x1050, 1920x1080(1080p24), 1920x1080(1080p25), 1920x1080(1080p30), 1920x1080(1080p50), 1920x1080(1080p60), 1920x1200 2 = at 24 Hz, 3 = at 25 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 8 = 60 Hz;	
Additional Features	Decoding video stream from encoder with bitrate up to 20Mbps Supports PoE	
Video Wall support	Supports up to 4x4	
Power input (locking connector)	12 VDC 1A (Worldwide AC adapter is supplied)	
Power consumption	9W nominal 12W peak	
Dimensions	7.2815 in (185mm) x 1.125 in (28.5mm) (includes rubber feet) x 4.5 in (114.3mm) (includes connectors), 572g	
Temperature	Operating/ Storage humidity: 20% to 90% (Non-Condensing)	
Humidity	10% ~ 80%, non-condensing	

ZyPerHD Encoder
ZyPerHD-E



ZyPerHD Decoder
ZyPerHD-D



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. For more information visit www.zeevee.com