

Z-IP Encode 2HD Product Specifications



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Product Specifications



Product Description

The MPEG-4, H.264 encoding and streaming *Z-IP Encode 2HD* appliance supports up to 4 NTSC/PAL SD sources. (Field upgradeable to 2 x 1080p HD or 5 SD sources with *Z-IP Stream* firmware upgrade). The device supports low latency streaming with Z-Band's ZIP Video Technology (65 milliseconds), provides video downscaling, frame rate and resolution control. Integrated hardware based image stabilization. Allows for CoT/KLV Metadata insertion. Input sources include; HD-SDI, SDI, DVI, HDMI, Composite and S Video. MISB/STANAG compliant and MIL-STD certified. AES 128/256 Encryption.

Model	ZIP2-400	
Physical Description	Enclosure: Industrial-grade rugged aluminum case, rack-mount kit available as add-on Dimensions: 1.75"H x 7.48"W x 4.66"D (44.6mmH x 190mmW x 118.4mmD) Weight: 2.42lb (1.098Kg) Fan-less design with mounting holes for seamless installation in vehicles or onto flat surfaces 100% silent operation	
Electrical Power	Power Consumption: 9-12VDC, max 13W Four Status Indicator Lights: Power, Network Activity, Streaming and Video Source	
Network Protocols	Streaming: UDP, RTSP, SAP, MPEG-2 Transport encapsulation, unicast and multicast modes Peripheral: HTTPS, DHCP, NTP, SSH, SAP	
I/O Interfaces	Input Resolutions	Inputs
	1920 x 1080p 60, 59.94, 50, 30, 29.97, 25, 24 1920 x 1080i 60, 59.94, 50 1600 x 1200p 85, 60, 50 1366 x 768p 60, 50 1280 x 800p 60, 50 1280 x 768p 60, 50 1024 x 768p 60,50 1280 x 720p 60, 59.94, 50, 30, 29.9, 25 720 x 480p 30, 29.97 720 x 480i 59.94 720 x 575p 25 720 x 576i 50	Video Input: <ul style="list-style-type: none"> ✓ 2 x 3G/HD-SDI/SD-SDI ✓ 1 x HDMI ✓ 1 x DVI-I ✓ 4 x Composite ✓ 4 x S-Video Y/C Audio Input: <ul style="list-style-type: none"> ✓ Embedded audio via HD-SDI/SD-SDI ✓ Embedded audio via HDMI ✓ Analog unbalanced stereo audio, AC-coupled and pairs Ethernet: <ul style="list-style-type: none"> ✓ 2 x RJ45 10/100/1000 Mbps Base-T for streaming/management

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Video Format	H.264 (ISO/IEC 14496-10 AVC MPEG-4 part 10) Modes: <ul style="list-style-type: none">Baseline Profile L3Main Profile L3 & L4High Profile L4 & L4.2 Bit Rate: 100 Kbps – 14 Mbps Resolution: Configurable up to full HD 1920 x 1080p Frame Rate: 5-60 fps
Audio Format	Stereo and mono modes Bit Rate: 32 Kbps – 256 Kbps in Stereo, 16Kbps – 128Kbps in Mono
Management	HTTP Web based remote management application Remote firmware and software upgrade capability
Environment	Operating Temperatures: 32°F to 122°F (0°C to 50°C) Relative Humidity: 5% to 95% (non-condensing)
Agency Standards	EMC Standards: FCC part 15 class B and CE Meets MIL-STD810F and MIL-STD461F specifications