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ZCube™

H.265 4K Encoder



The ZCube™ is a compact encoder system. It is a H.265/HEVC, H.264 and MJPEG video encoder designed for easy and portable use. It is capable of accepting 4K video at 30 frames per second and producing IP streams that can be sent on a standard Ethernet cable. The hardware consists of encoder boards capable of encoding H.265/HEVC video in HD and Ultra-HD resolutions. The ZCube features on-board interfaces including Gigabit Ethernet, USB 2.0, Microphone Input and Composite Out.

Technical

Interfaces	Micro HDMI Input, Gigabit Ethernet, USB 2.0, Audio Input, RS-232, Composite Output
Video Codecs	H.265/HEVC, H.264 and MJPEG
Encoding Resolutions	4K UHD & HD up to 30 fps(2160p, 1080p, 720p & lower)
Output Formats	RTP, RTSP, MPEG-2 TS, RTMP, RTMPS, and SRT
Streaming	<ul style="list-style-type: none"> • Simultaneously stream & record each channel • Send up to 3 simultaneous streams • When using 3 streams max resolution of each stream is 720p30 • When using 2 streams max resolution of each stream is 2160p30 & 1080p30
Features	<ul style="list-style-type: none"> • Low latency, Low Power • Simultaneous encode of H.265/HEVC and H.264 • SRT Modes Supported: Caller, Sender, Rendezvous & SRT Encryption • Easy-to-Use HTTP/HTTPS web GUI with live video preview • Power over Ethernet (PoE) • Compatible with the ZEUS® DMD-4K Decoder

Specifications

ZCube Size	66 x 66 x 66 mm
ZCube Weight	306g
Power Input	7.5V to 16V DC, 12V DC typ.
Power Consumption	Typical about 4W at 4Kp30

BENEFITS

- High Quality Efficient H.265/HEVC Video Encoding
- Low Bandwidth, Low Latency Video Encoding
- Easy-to-Use HTTP-Based Control Interface

APPLICATIONS

- Security and Surveillance
- Industrial Applications
- Medical Applications
- Customized Applications*

USE CASE

