



ZCube-21™

H.265 4K Encoder

The ZCube-21™ 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 4K and Ultra-HD resolutions. The ZCube-21 features on-board interfaces including Gigabit Ethernet, USB 3.1, Microphone Input and HDMI In/Out.



Technical

Interfaces	HDMI In, HDMI Out, Gigabit Ethernet, USB 3.1, Audio Input, RS-232, USB type C, RS-485
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, and RTMPS
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 1080p30 • When using 2 streams max resolution of each stream is 1080p60
Features	<ul style="list-style-type: none"> • Low latency, Low Power • Simultaneous encode of H.265/HEVC and H.264 • Easy-to-Use HTTP/HTTPS web GUI with live video preview • Compatible with the ZEUS® DMD-4K Decoder • Power over Ethernet (PoE) 802.3af

Specifications

ZCube-21 Size	61 x 63 x 33 mm
ZCube-21 Weight	222g
Power Input	7.5V to 16V DC, 12V DC typ.
Power Consumption	Typical about 4W at 4Kp30
Operating Temperature	-5 to 65 °C

USE CASE



4K Camera

HDMI



ZCube-21

Ethernet



DMD-4K Decoder



ORDERING INFORMATION

ZCube-21 Complete Solution

- ZCube-21
- Serial Cable + null modem adaptor
- HDMI Cable

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*

***Contact Z3 Technology for Customized Product Options**

sales@Z3technology.com

+1.402.323.0702

www.Z3technology.com

