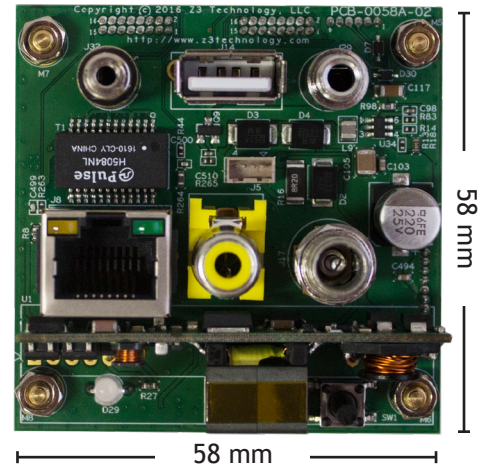




HE4K-DCK-1x

- H.265/H.264 HDMI 4K Video Encoder
- Pass VISCA™ Camera Control over IP
- Low Latency Video Streaming
- Simultaneous Stream and Record Video

The HE4K-DCK-1x is a compact 4K and HD video encoder capable of sending up to 3 simultaneous streams. The encoder has multiple control options through the Web User Interface, Serial/SSH, ONVIF® or Rest API. The Web Gui has a Live Video Preview to view your stream, video camera controls, and integrated PTZ controls.



Technical

Camera Interfaces	HDMI via KEL or Micro-HDMI input
Compatible Cameras	Sony FCB-ER8530/ER8550, FCB-ES8230, FCB-EV9500H, or HDMI cameras
Additional Interfaces	GigE, Line Level Audio Input, RS-232, RS-485, Composite Output
Recording	USB 2.0, Micro-SD card, or NFS
Video Codecs	H.265, H.264 and MJPEG
Audio Codecs	AAC-HE ADTS, AAC-HE V2, AAC-LC ADTS, AAC-LC MPEG-2, G7.11 with ONVIF
Encoding Resolutions	4K UHD & HD up to 30 fps (2160p, 1080p, 720p, & lower)
Output Formats	RTP, RTSP, TSRTSP, MPEG-2 TS, TS-File, MP4, RTMP ¹ , RTMPS ¹ , SRT Modes: Caller, Sender, Rendezvous & SRT Encryption

Key Features

- HTTP/HTTPS Web GUI with Live Video Preview
- Pass VISCA™ Camera Control over IP
- ONVIF® Profile S and T Compliant
- Simultaneous Stream and Record
- Dual simultaneous stream at 2160p30 and 1080p30, or 3 simultaneous streams
- Timestamp support through overlay or SEI data
- Multiple Line Text Overlay
- RTSP Authentication
- Cropping to the Aspect Ratio
- Region of Interest Support
- ONVIF® Motion Detection and Video Too Dark to Detect
- Secure by Default, Multiple User Access Levels
- Web Gui Scheduler for Recording, Snapshots, and PTZ Presets
- Overlay NMEA 1083 and GPS Data
- Pelco D PTZ Positioning and ONVIF®
- Absolute PTZ Support and PTZ Tours
- Compatible with ZEUS® DMD-4K decoder

¹ In H.264 mode only

Specifications

Encoder Board Size	58 x 58 x 36 mm (2.28 x 2.28 x 1.42 in)
Encoder Board Weight	92g (aluminum heat pipe is additional 40g)
Power Consumption	4.5W typical

ORDERING OPTIONS

HE4K-DCK-1x OEM Production Set

- HE4K-DCK-1x Encoder Boards
- Documentation

*Camera Block and KEL Ribbon Cable sold separately

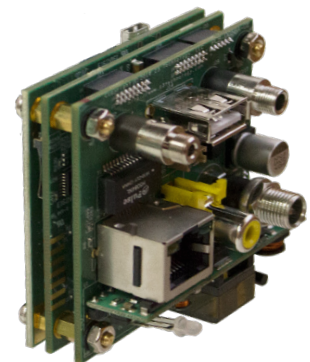
HE4K-DCK-RPS OEM Starter Kit

- HE4K-DCK-1x Encoder Boards
- KEL Ribbon Cable
- Power Supply
- SDK
- Documentation

*Camera Block sold separately

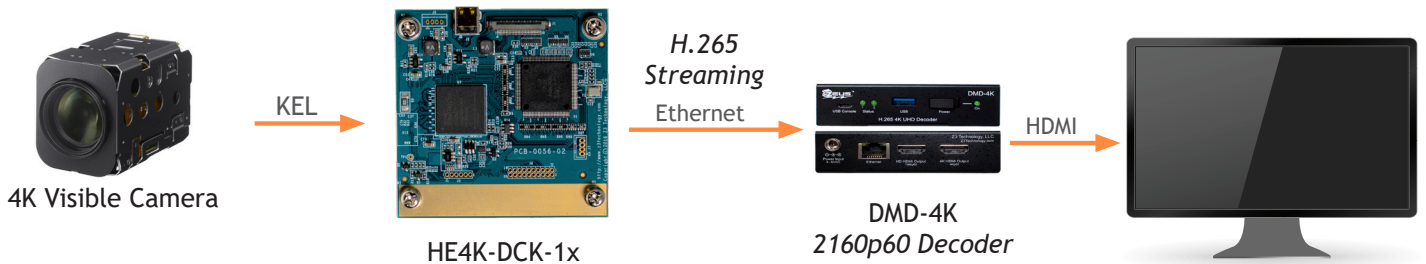
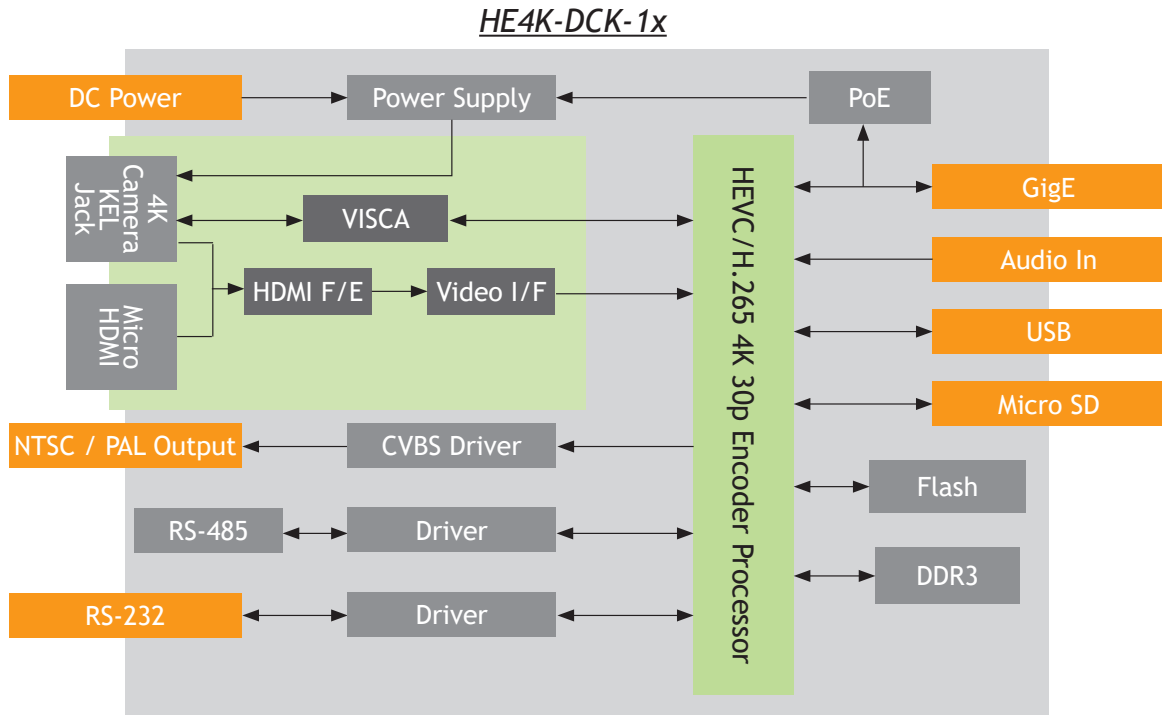
APPLICATIONS

- Security and Surveillance
- Industrial Applications
- UAV Applications

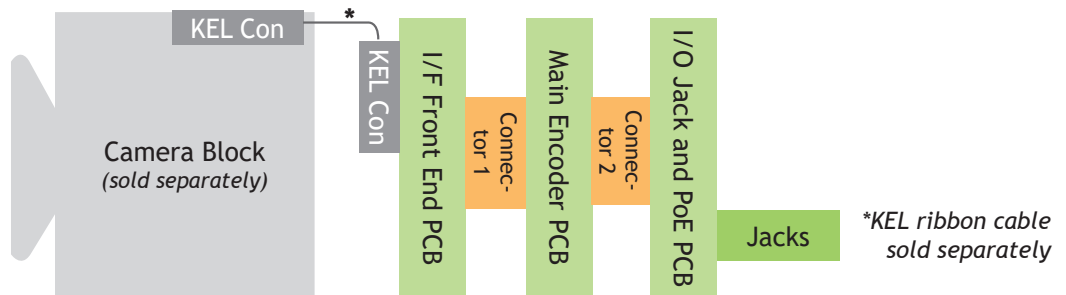


HW Block Diagram

HE4K-DCK-1x



HE4K-DCK-RPS Physical



***Contact Z³ Technology for Customized Product Options**
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Z³ Technology is an industry-leading, USA-based manufacturer of production-ready embedded multimedia solutions and IP camera systems. From our founders to our world-class engineers to our sales and customer service team, we understand your requirements and speak your language. Our experience allows us to provide cost-effective solutions to meet your multimedia product requirements. With the assistance of our robust worldwide distribution and sales networks, we can provide a simple solution for your multimedia needs.

