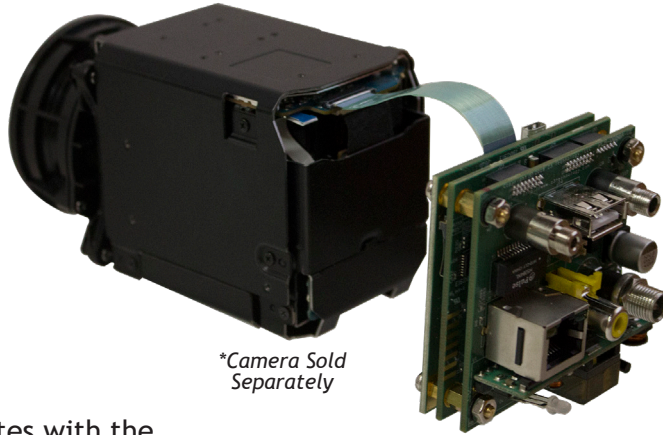




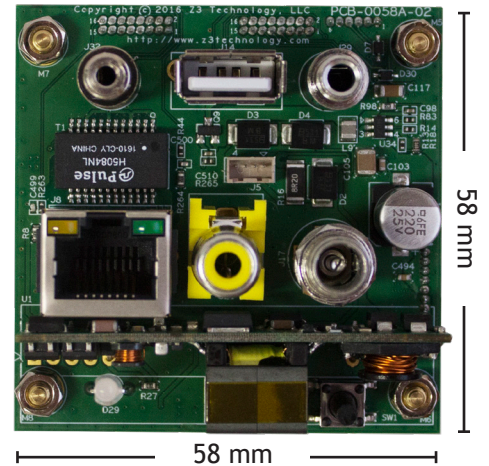
**Z3**  
Technology®



\*Camera Sold Separately

# HE4K-DCK-1x

\*Actual Size



- Natively integrates with the FCB-ER8300/8530/8550 Sony Block Cameras
- Pass VISCA™ Camera Control Commands over IP, ONVIF® Profile S & T
- High Quality Efficient H.265/HEVC Video Encoding
- Low Bandwidth, Low Latency Video Encoding
- Easy-to-Use HTTP/HTTPS-Based Control Interface

The HE4K-DCK-1x is a compact encoder system designed to enhance Sony’s 4K FCB-ER8300, 8530, or 8550 Block Cameras. The hardware consists of encoder boards capable of encoding H.265/HEVC video in HD and Ultra-HD resolutions. The boards feature on-board interfaces including GigE, USB 2.0, RS-485, Audio Input and Composite Out. Users are able to purchase the HE4K-DCK-1x as an OEM starter kit or a complete package that includes an optional enclosure for the entire solution.

## Technical

**Interfaces** Video from Sony FCB-ER8300/8530/8550 via KEL ribbon cable<sup>1</sup>, or video from the Micro HDMI Input, GigE, USB 2.0, Audio Input, RS-232, RS-485, Micro-SD card, 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, TS-File, MP4, and RTMP<sup>2</sup>

- Features**
- Easy-to-Use HTTP/HTTPS web GUI with live video preview
  - Pass VISCA™ Camera Control Commands over IP
  - ONVIF® Profile S and T
  - Simultaneous Stream and Record to SD Card or USB
  - PoE
  - Overlay of GPS or NTP Data
  - Pelco D PTZ Positioning
  - Absolute PTZ Support
  - Power over Ethernet (PoE)
  - Optional Chassis for Camera and Encoder Board\*
  - Compatible with ZEUS® DMD-4K decoder

## 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 (not including camera)
Operating Temperature	-5° C to +70° C

### ORDERING OPTIONS

**HE4K-DCK-1x**  
OEM Production Set

- HE4K-DCK-1x Encoder Boards
- Documentation

*Note: Sony FCB-ER8300/8530/8550 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

*Note: Sony FCB-ER8300/8530/8550 Camera Block sold separately\**

**Z3Cam-4K™**  
Complete Solution

- HE4K-DCK-1x Encoder Boards
- KEL Ribbon Cable
- Power Supply
- Enclosure, PoE and Camera Block
- Documentation

### APPLICATIONS

Security and Surveillance  
Industrial Applications  
UAV Applications  
Customized Applications\*

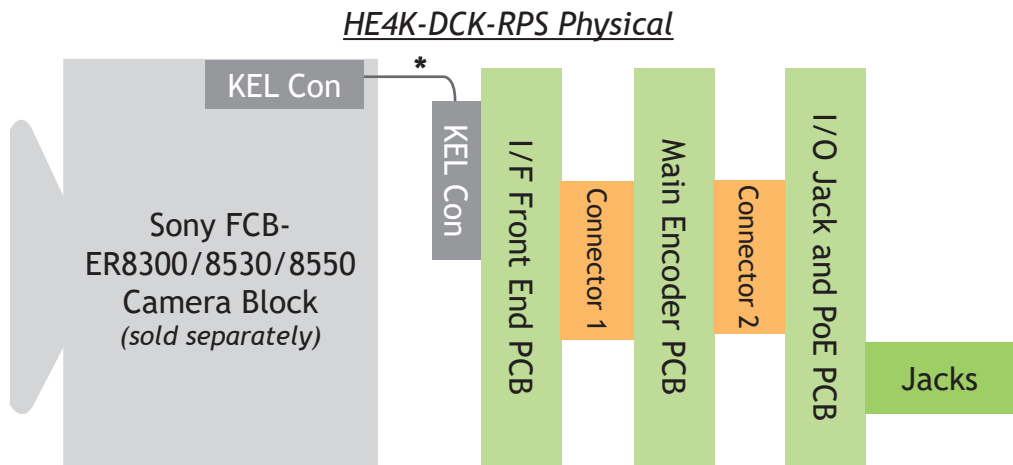
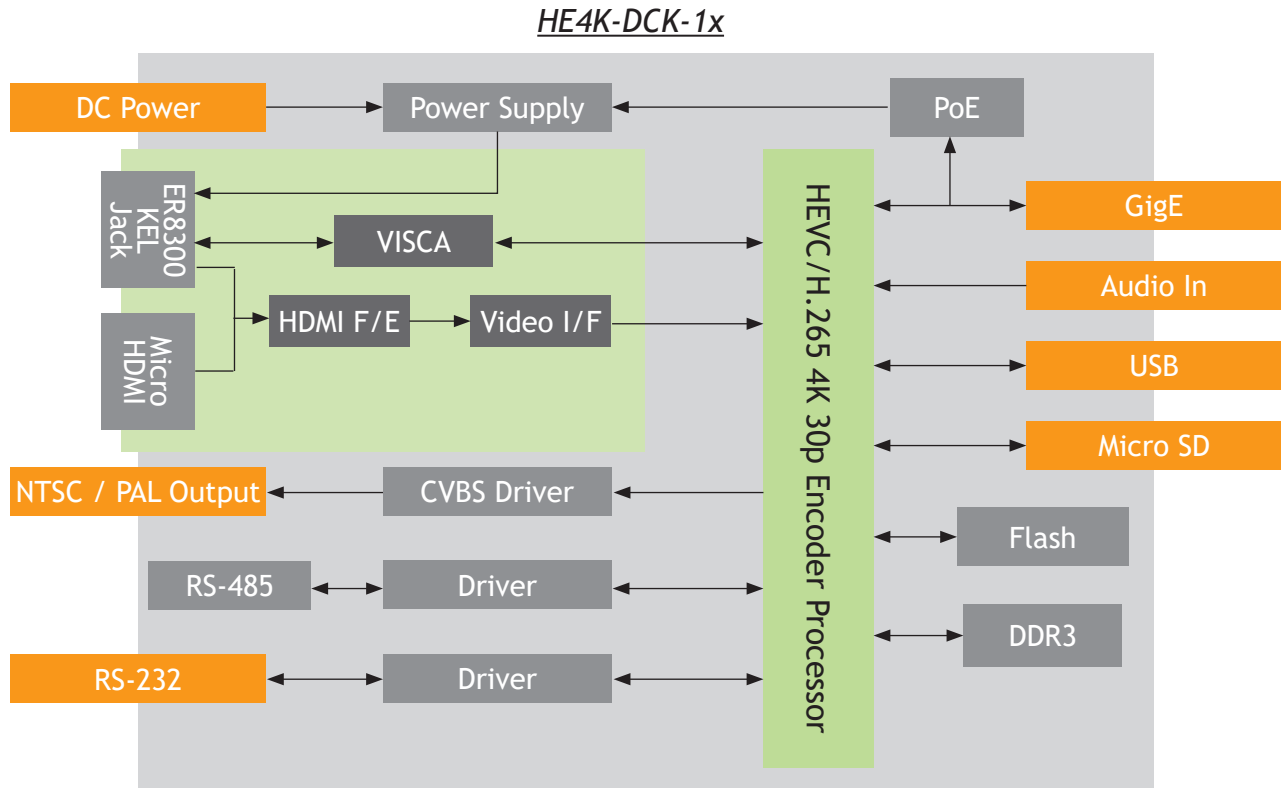
<sup>1</sup> KEL ribbon cable sold separately

<sup>2</sup> In H.264 mode only



# HW Block Diagram

# HE4K-DCK-1x



\*KEL ribbon cable sold separately

**\*Contact Z<sup>3</sup> Technology for Customized Product Options**  
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Z<sup>3</sup> 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.

