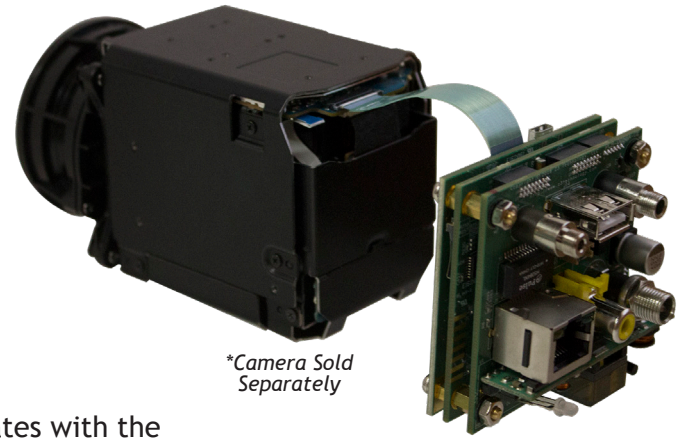
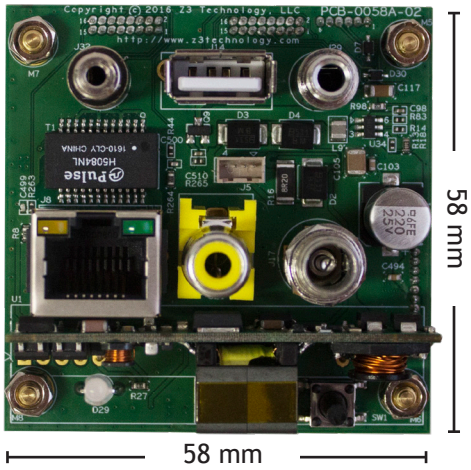
HE4K-DCK-1x



*Camera Sold Separately

*Actual Size



- Natively integrates with the FCB-ER8300/8530/8550 Sony Block Cameras
- Pass VISCA™ Camera Control Commands over IP, ONVIF® Provile S
- High Quality Efficient H.265/HEVC Video Encoding
- Low Bandwidth, Low Latency Video Encoding
- Easy-to-Use HTTP-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. These features combined with the existing capabilities of the Sony Block Camera allow for a complete compact HEVC 4K video encoding solution. 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[1], GigE, USB 2.0, Audio Input, RS-232, RS-485, Composite Output and Optional Micro HDMI Input*
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 and RTMP[2]
Features	• Low latency, Low Power • Pass VISCA™ Camera Control Commands over IP • ONVIF® Profile S with Media Services 2.0 • Simultaneous encode of H.265/HEVC and H.264 • Power over Ethernet (PoE) • Optional Chassis for Camera and Encoder Board* • Compatible with ZEUS® HE265-DEC

[1] *KEL ribbon cable sold separately*
[2] *In H.264 mode only*

Specifications

Encoder Board Size	58 x 58 mm (2.28 x 2.28 in)
Encoder Board Weight	87.9g
Power Consumption	4.5W typical while encoding H.265/HEVC video in 2160p30
Power Supply	12V DC
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

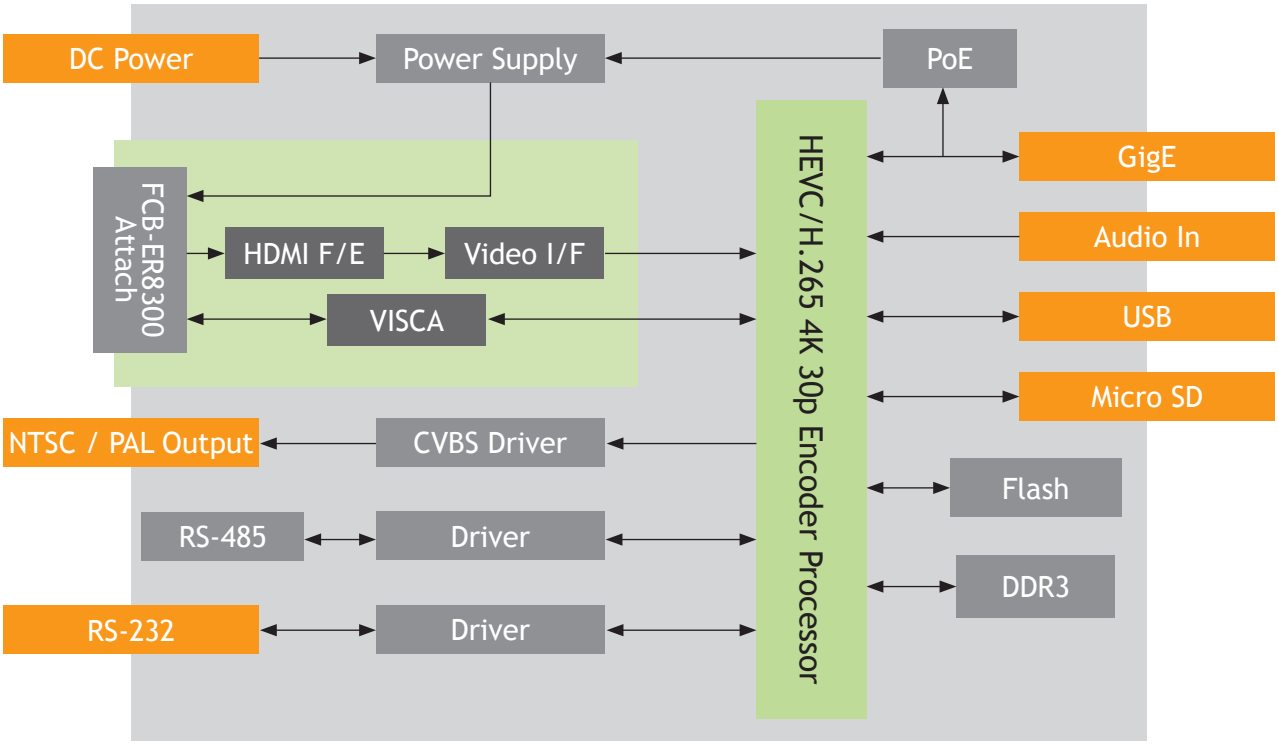
Medical Applications

Customized Applications*

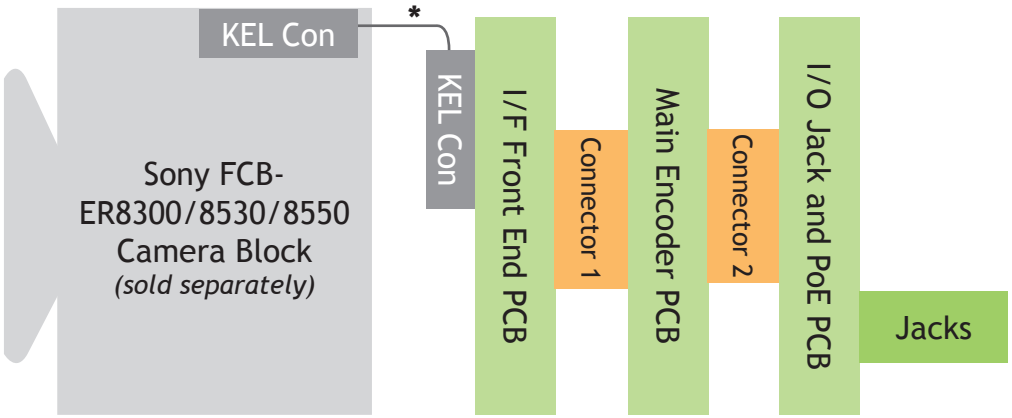
HW Block Diagram

HE4K-DCK-1x

HE4K-DCK-1x



HE4K-DCK-RPS Physical



*KEL ribbon cable sold separately

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

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