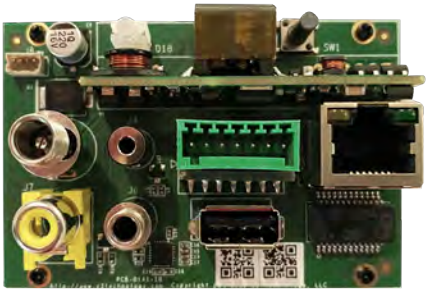
Dual Camera Full 4K Encoder

Designed for your Visible & IR Monitoring Needs

FV4K-13A

- H.265/H.264 Dual Camera Video Streaming
- Interfaces with HDMI, LVDS, and Composite cameras
- High Quality Low Latency Encoding
- Pass Camera Control Commands over IP
- ONVIF Profile S and T Compliant



The FV4K-13A is designed for dual camera inspection surveillance, industrial or UAV applications. The encoder supports both H.265 and H.264 encoding for visible and thermal cameras. The dual camera encoding allows for a 4K HDMI camera and a second LVDS or Composite Camera to be streamed from the encoder. The encoder can simultaneously stream and record video to either a Network File System, USB or Micro SD card. Controls are through the web user interface, Serial/SSH, the API or ONVIF. Additional processing is supported within the system to allow for Overlays on the video or data to be sent in the data stream.

Technical

Interfaces	
•Visible Camera Formats	Sony FCB-EV-/EW-/ER-Series, Tamron MP-Series, Micro HDMI
•HD and SD IR Formats	RS170, NTSC/PAL and LVDS
•Recording	To either USB, Micro SD or NFS
•Additional Interfaces	GbE, Audio Input, RS-232, Micro-HDMI Passthrough, POE, Composite Output, Serial I/O (RS-232, RS-422, RS-485)
Video Codecs	H.265 & H.264
Encoding Resolutions	4Kp30, 1080p (up to 60fps), 720p, NTSC/PAL, VGA, CIF and QVGA
Output Formats	RTP, RTSP, MPEG-2 TS and RTMP[1]
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 • Overlay of GPS or NTP Data • SRT Modes Supported: Caller, Sender, Rendezvous & SRT Encryption • Pelco D PTZ Positioning • Absolute PTZ Support • Compatible with ZEUS® DMD-4K Video Decoder • Timestamp and KLV support through overlay or SEI data

Specifications

Encoder Board Size	75 x 50 x 33 mm (2.95 x 1.97 x 1.30 in)
Encoder Board Weight	85g
Power Consumption	4.5W
Power Supply	12V DC or PoE 802.3af/at class 0

ORDERING OPTIONS

FV4K-13A
OEM Production Set

- FV4K-13A-1x Encoder Boards

*Note: Sony FCB-ER Series Camera Blocks and KEL ribbon cable sold separately**

FV4K-13A-RPS
OEM Starter Kit

- FV4K-13A Encoder Boards
- Power Supply
- Software SDK
- Documentation
- Serial Cable
- (2) KEL Cables

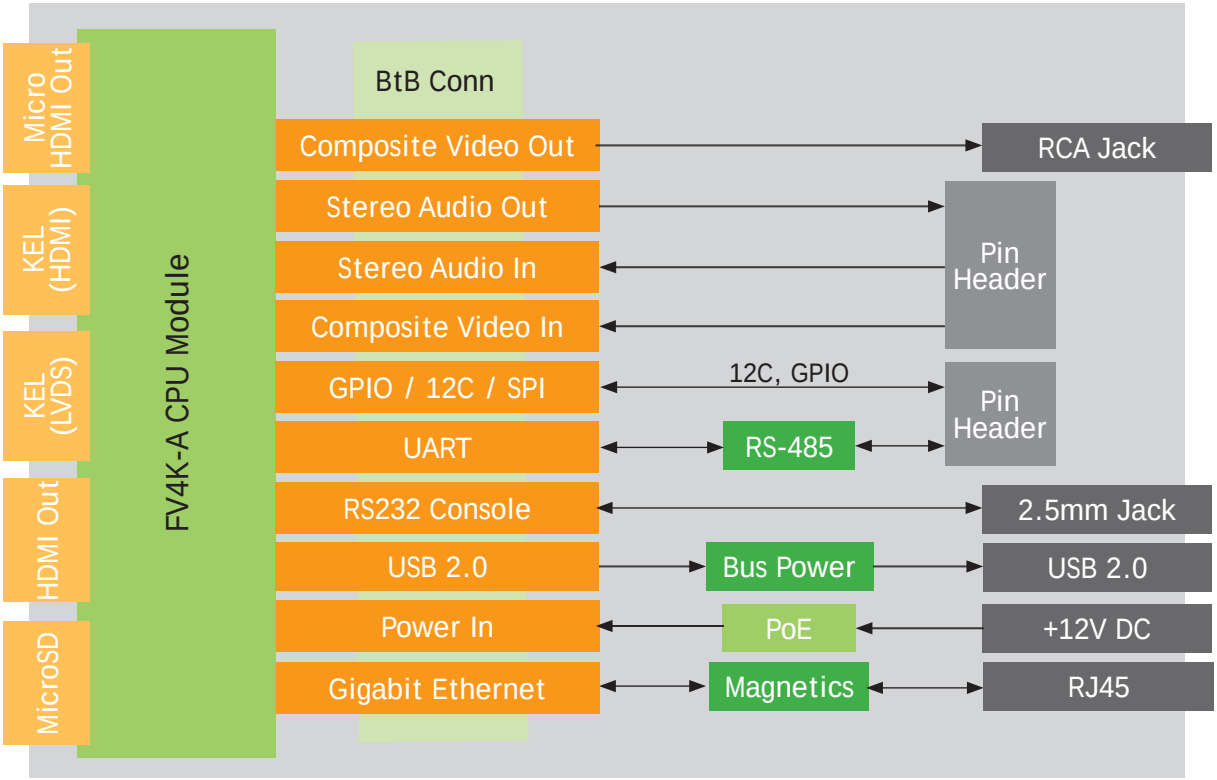
Note: Sony FCB-ER Series Camera Block sold separately

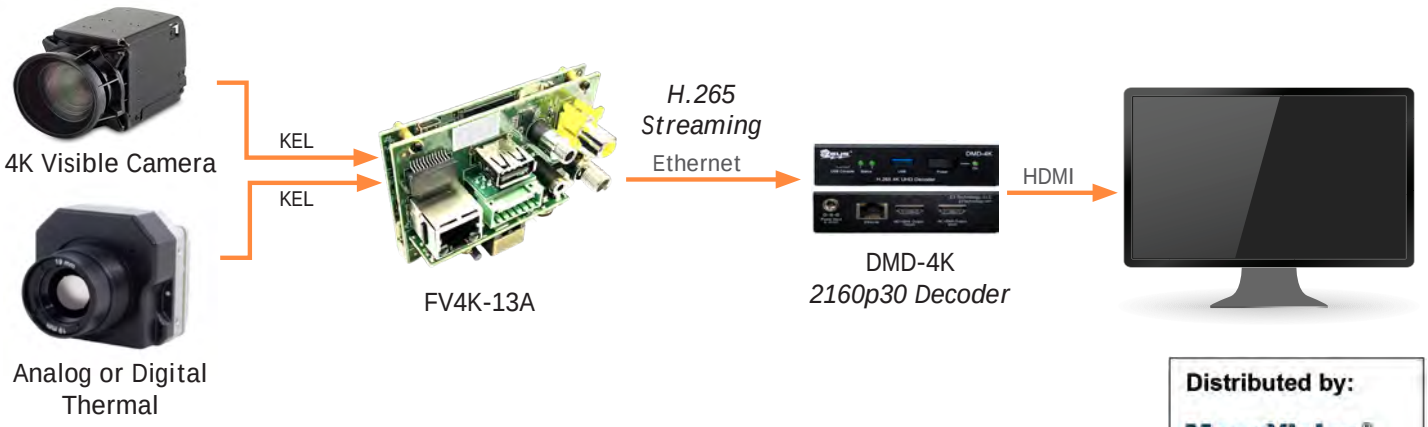
APPLICATIONS

Inspection
Security and Surveillance
Industrial
UAV and Drones
Customized Applications*

HW Block Diagram

FV4K-13A Encoder





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