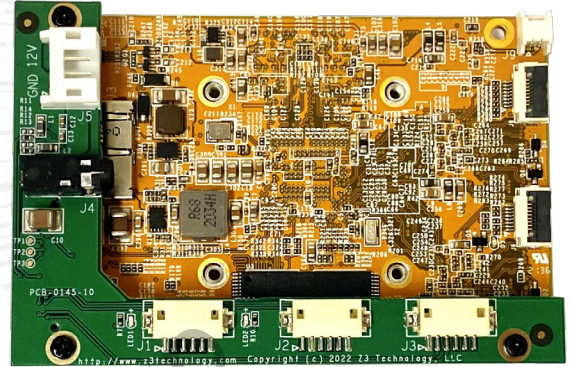


Lightweight Dual Camera Full HD Encoder

Designed for your UAV Visible & IR Needs

FV2K-15A

- Interfaces with LVDS and Composite cameras
- Dual LVDS Camera Input or LVDS and a Composite Input
- High Quality Low Latency Encoding
 - Transport Camera Control Commands over IP
- ONVIF Profile S & T Compliant
- Lightweight for UAV & other weight constrained Applications



The FV2K-15A is designed for dual camera UAV, inspection, surveillance, industrial and UAV applications. The flexibility of the system allows for a visible camera and an infrared or night vision camera. The hardware consists of a small 2-board set: Input, Encoder and Connector PCB. The system is capable of encoding multiple channels of H.265 and H.264 video in HD resolutions. The Input board features flexible digital and analog input ports. The encoder can be configured to stream over IP and simultaneously record to micro SD card. This compact design only uses 4.5 watts of power when streaming from 2 cameras. The FV2K-15A is preloaded with software for full functionality out-of-the-box.



Technical

Interfaces

•Visible Camera Formats	Sony FCB-EV7520 (A), FCB-EV9500L, LVDS
•HD and SD IR Formats	LVDS
•Recording	To Micro SD
•Additional Interfaces	100 Mbps Ethernet, Micro-HDMI Passthrough, Composite Output, LVTTTL UART x 2 , GPIO x 2, Micro-SD card

Video Codecs H.265, H.264, MJPEG

Encoding Resolutions 1080p (up to 60fps), 720p, NTSC/PAL, VGA, CIF and QVGA

Output Formats RTP, RTSP, MPEG-2 TS, RTMP, TS-RTP, MP4, and TS-file

Features

- Lightweight, Low Latency, Low Power
- Ability to Resize HD Camera Input to Lower Resolutions Keeping Full Field of View
- SRT Modes Supported: Caller, Sender, Rendezvous & SRT Encryption
- Pass Visca Camera Control Commands over IP
- Easy-to-Use HTTP-Based Control Interface
- ONVIF® Profile S & T*
- Compatible with ZEUS® DMD-4K Video Decoder

Specifications

Encoder Board Size	75 x 50 x 33 mm (2.95 x 1.97 x 1.30 in)
Encoder Board Weight	61g (aluminum heat pipe is additional 42g)
Power	12V Power, Typical power consumption is 4.5w while encoding 2 cameras with H.265 video at 1080p30

ORDERING OPTIONS

FV2K-15A
OEM Production Set

- FV2K-15A Encoder Boards

Note:

1. Sony FCB-EV Series Camera Blocks and KEL ribbon cable sold separately*
2. Power and Ethernet cables sold separately

APPLICATIONS

UAV and Drones
Inspection
Security and Surveillance
Industrial
Customized Applications*

HW Block Diagram

FV2K-15A Encoder (H.265 60fps x2)

