Cameralink Encoder

Designed to Meet Unique Cameralink Cameras Requirements
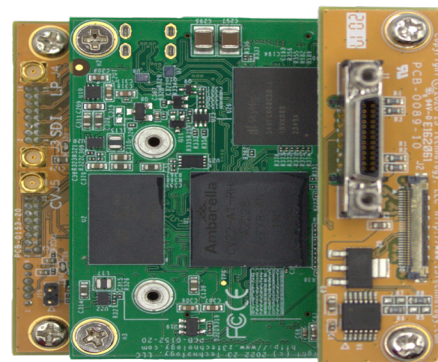
CamL-13

- H.265/H.264 Dual Camera Video Streaming
- Interfaces with Cameralink and SDI Cameras
- High Quality, Low Latency Encoding Streaming and Recording
- Send Power, Controls and Video from the Encoder to your Cameralink or LVDS Camera

Technical

Camera1 Interfaces	Cameralink via SDR Connector
•Cameralink Formats	Cameralink Base Support • Pixel Clock Frequency up to 85 MHz • Monochrome, RGB, and YUV Pixel Formats 8-16 Bits
Camera2 Interfaces	SDI
•Additional Interfaces	Gigabit Ethernet, Line Level Audio Input, RS-485, Micro HDMI Output, Composite Output, RS-232, Serial IO (RS-485, RS-422, RS-432) and USB 2.0
Video Codecs	H.265, H.264 and MJPEG
Recording	Networks File System, USB 2.0 or Micro-SD
Encoding Resolutions	1080p (up to 60fps), 720p (up to 60fps), NTSC/PAL, VGA, CIF and QVGA
Output Formats	RTP, RTSP, MPEG-2 TS, RTMP, RTMPS, TSRTP and SRT
Features	• Low Latency, Low Power • Cyber Secure Features Available, SNMPv2, SNMPv3 and the ability to turn off unneeded services • User Level Authentication Settings Available • Simultaneous encode of H.265/HEVC and H.264 • Record to USB or Network File System • Control via HTTP/HTTPS web GUI, API, ONVIF or SSH/Serial • SRT Modes Supported: Caller, Listener, Rendezvous, SRT Encryption, AES-128, 192, 256 • Live Video Preview in the Web GUI • Multicast and Unicast Support • Text Overlay via Web GUI or custom placement of Text or PNG via HTTP/S API • RS-485 Pelco D Support, 3 configurable serial ports • Dual output displays or PIP Mode Support • STANAG 4609 Compliant • Embedded KLV Metadata Support via SDI or Serial, MISB 0601 Compliant • High Precision Timestamps Across Multiple Streams, MISB 0604 Compliant • AI Ready for on the edge analytics

Specifications

Encoder Board Size	58 x 58 mm (2.28 x 2.28 in)
Encoder Board Weight	105g
Power Consumption	4.5W typical while encoding 2 cameras in H.265
Power Supply	12V DC or PoE 802.3af/at class 0

ONVIF® | S T M

ORDERING OPTIONS

CamL-13
OEM Production Set
- CamL-13 Encoder Boards

Note: Camera and cables sold separately

CamL-13-RPS
OEM Starter Kit
- CamL-13 Encoder Boards
- Power Supply
- Software SDK
- Documentation
- Serial Cable
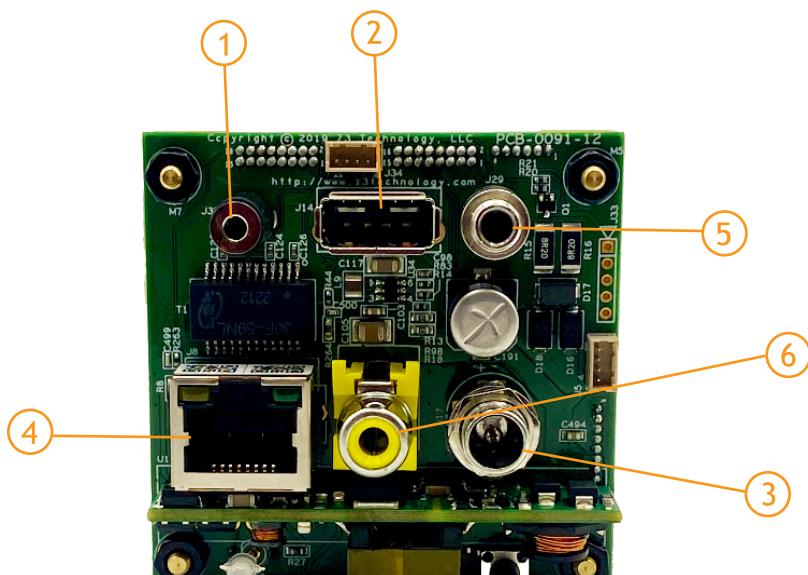- KEL Cable

Note: Camera sold separately

APPLICATIONS

Military Applications
Security and Surveillance
Industrial
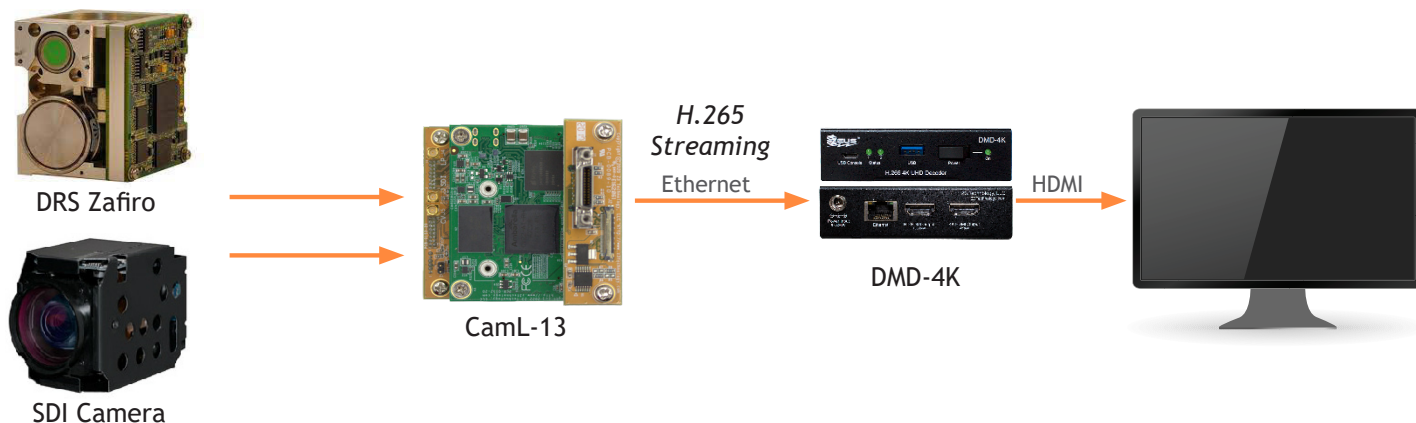Unmanned Systems
Customized Applications*

CE FC

Made in the USA

1	RS-232 Connection	4	Gigabit Ethernet
2	USB 2.0	5	Line Level Audio (MIC)
3	12V Power (optional)	6	Composite Output

USE CASE

DRS Zafiro

SDI Camera

CamL-13

H.265 Streaming
Ethernet

DMD-4K

HDMI

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.