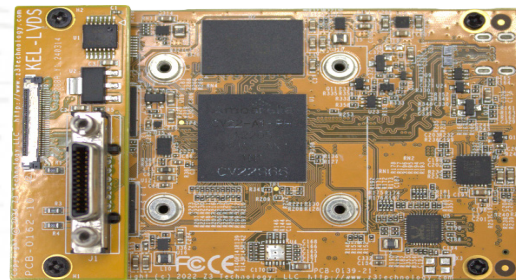


- H.265/H.264 Dual Camera Video Streaming
- Interfaces with Cameralink, LVDS and Composite Cameras
- High Quality, Low Latency Encoding Streaming and Recording
- Send Power, Controls and Video from the Encoder to your Cameralink or LVDS Camera



## Technical

Camera1 Interfaces	Cameralink via SDR Connector
•Cameralink Formats	Cameralink Base Support <ul style="list-style-type: none"> <li>• Pixel Clock Frequency up to 85 MHz</li> <li>• Monochrome, RGB and YUV Pixel Formats 8-16 Bits</li> </ul>
Camera2 Interfaces	KEL LVDS Connection for Thermal or Visible Cameras Composite Cameras
•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, TSRTSP, 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	75 x 50 mm (2.95 x 1.97 in)
Encoder Board Weight	80g
Power Consumption	4.5W typical while encoding 2 cameras in H.265
Power Supply	12V DC or PoE 802.3af/at class 0



## ORDERING OPTIONS

### CamL2-13 OEM Production Set

- CamL2-13 Encoder Boards

*Note: Camera and cables sold separately*

### CamL2-13-RPS OEM Starter Kit

- CamL2-13 Encoder Boards
- Power Supply
- Software SDK
- Documentation
- Serial Cable
- KEL Cable

*Note: Camera sold separately*

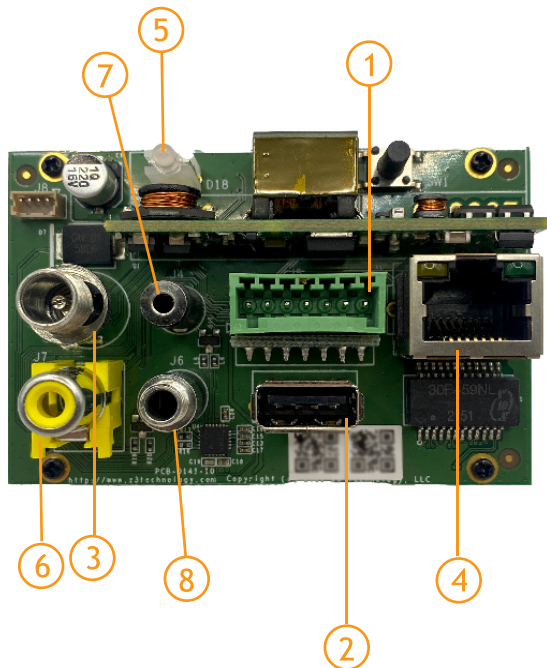
## APPLICATIONS

Military Applications  
Security and Surveillance  
Industrial  
Unmanned Systems  
Customized Applications\*



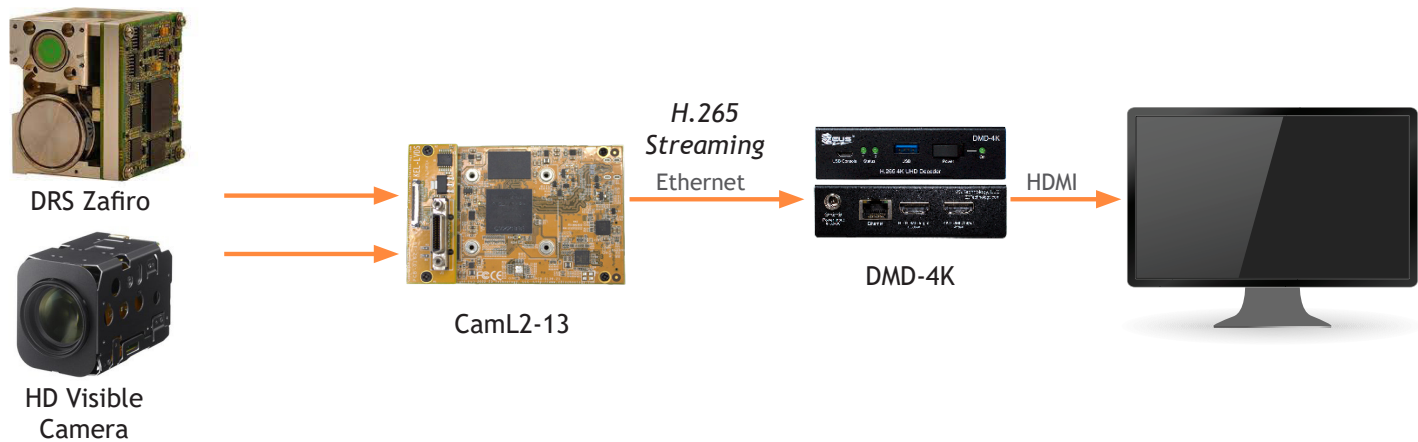
Made in the USA





- ① RS-485 Serial Port
- ② USB 2.0
- ③ 12V Power (optional)
- ④ Gigabit Ethernet
- ⑤ Status Light
- ⑥ Composite Output
- ⑦ RS-232 Serial Port
- ⑧ Line Level Audio Input (MIC)

USE CASE



**\*Contact Z<sup>3</sup> Technology for Customized Product Options**  
sales@Z3technology.com    +1.402.323.0702    www.Z3technology.com



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.

