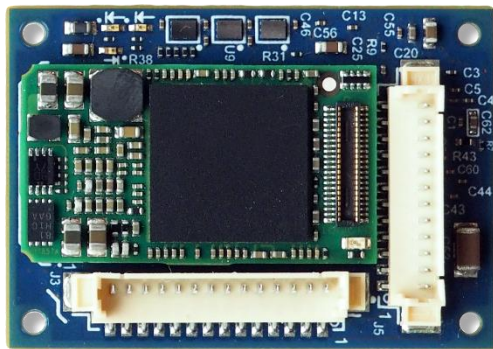




## Micro Video-Processing Platform

Designed to add advanced capabilities to camera systems, the **1500-OEM** is a small, low-power, single-channel on-board video processing solution which adds value to a wide range of applications. Onboard processing is key for low latency performance and the best video quality.



### Hardware

- Multiple video inputs - single channel processing
- Compact size for use in small camera systems
- OEM, SOM, and enclosed options available for integration flexibility
- Streamed Ethernet video (to 720p) + analog out

### Video Processing Software

The supported **Video Processing Software** provides a suite of video functions that are key in a wide variety of ISR applications. The processing software has two pricing tiers, SLE and SLA. SLE provides processing only and SLA processes the video and provides telemetry feedback. The SightLine software running on the 1500-OEM creates tailorable, powerful solutions

*See the Video Processing Software sheet for more information about image processing functions.*

## Camera Interfaces

- Video Inputs**
  - NTSC/PAL Analog (2 inputs)
  - Digital 720p/30 (1 input). Adaptors available for the following: Sony FCB-EH6xxx, EH31xx, EV7xxx HD blocks, Hitachi DI-SC120R HD, Tamron 10x, HDMI, Airborne 720p GS, FLIR Tau (direct), FLIR Quark, FLIR Boson, DRS Tamarisk, Camera Link.
- Video Outputs**
  - Encoded Ethernet to 720p (15-30 fps dep on processing set). H.264/MPEG4/M-JPEG encoding, MPEG2 TS/RTP encapsulation. KLV to MISB standards 0102.10, 0601.7, 0603.2, 0604.3, and 0903.3
  - SD analog (NTSC/PAL)

## Specifications

- |  |  |
|--|--|
| <p><b>Ethernet Interface</b></p> <ul style="list-style-type: none"> <li>• 10/100 BASE-T Ethernet PHY with capacitive loading. UDP, TCP, and RTSP connectivity, unicast, multicast</li> </ul> | <p><b>Other Control Interfaces</b></p> <ul style="list-style-type: none"> <li>• Serial (3, 3.3 V)</li> <li>• I<sup>2</sup>C (camera interfaces)</li> <li>• GPIO</li> </ul> |
| <p><b>Operating Temperature</b></p> <ul style="list-style-type: none"> <li>• Demonstrated with basic heatsink: -40°C to + 55°C. Components: -40°C to + 85°C</li> </ul>                       | <p><b>Input Voltage</b></p> <ul style="list-style-type: none"> <li>• 4.5 - 6 VDC (5 V nom)</li> </ul>  |
| <p><b>Size/Weight</b></p> <ul style="list-style-type: none"> <li>• 1.04 x 1.48 inches (26.5 x 37.7 mm)</li> <li>• 0.27 ounces (7.6 grams)</li> </ul>   | <p><b>Power Consumption</b></p> <ul style="list-style-type: none"> <li>• 3 W (max) 2.5W (typical)</li> </ul>   |
| <p><b>Recording</b></p> <ul style="list-style-type: none"> <li>• Class 10 SDHC cards up to 64 Gb</li> </ul>  |  |

