

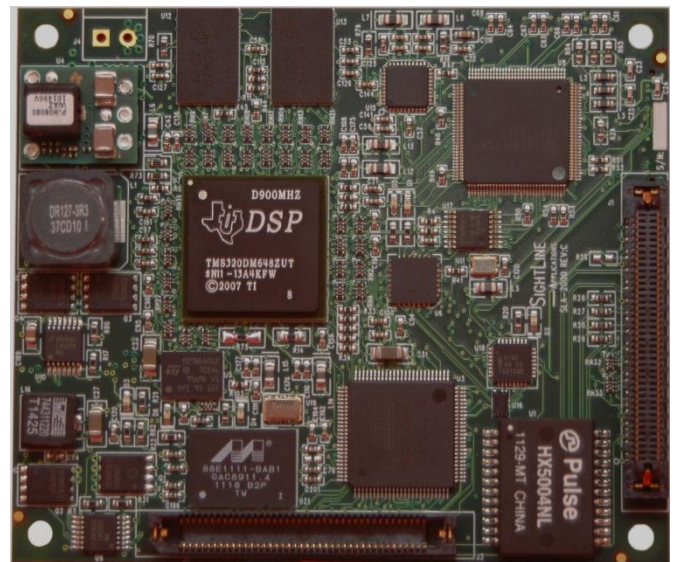
## **Multi-Camera Video Processing Platform**

The **SLA-2000** provides a four channel, embedded video stabilization, object tracking, image enhancement system well-suited for airborne and ground ISR applications.

The supported software library (SLA-LIB) provides a powerful suite of video processing functions that are key to a wide variety of ISR applications:

- **Multi-Camera Gimbals**
- **Fixed Cameras + Moving Vehicles**
- **Multi-Spectral Camera Configurations**
- **Perimeter Security**
- **Convoy Following**

This product is designed to add advanced capabilities for a wide range of unmanned vehicles and operates on video right at the source which is key for object tracking performance and video quality.



**Actual Size**

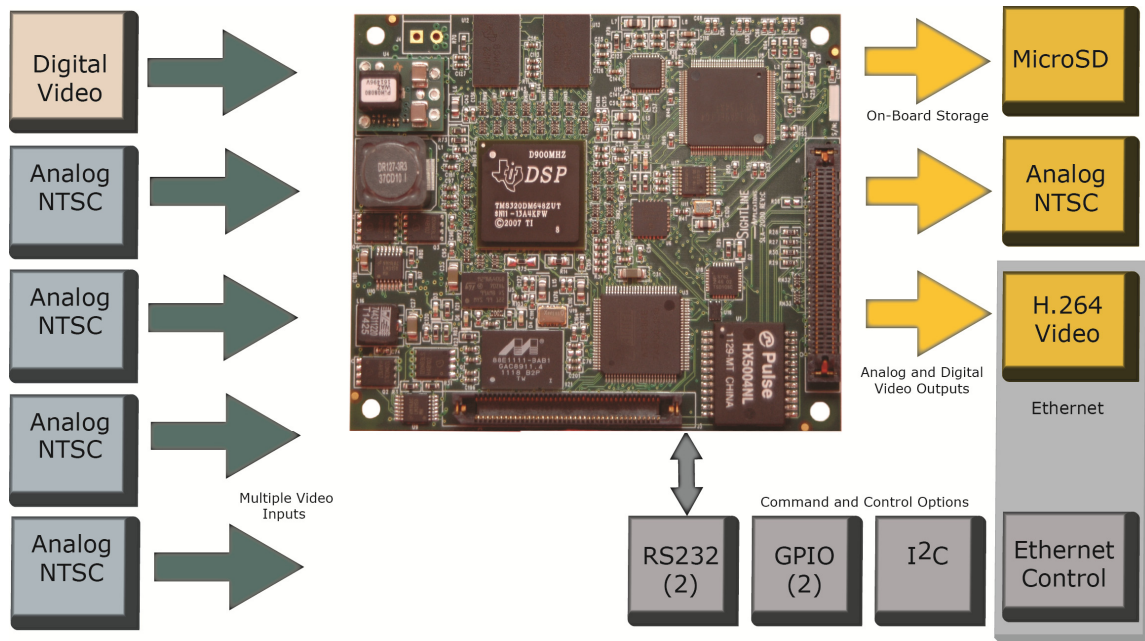
### **Hardware Overview:**

- **Up to 4 SD NTSC Simultaneous Inputs**
- **General Purpose 16-bit Digital Camera Input**
- **Analog HD or SD Video Output**
- **Digital Compressed Ethernet Video Output**
- **RS-232 or Ethernet Command and Control**
- **On-board Video Recording to MicroSD**
- **Low Power Board w/Expandable Functionality**
- **High-Performance TI DSP ® Technology**
- **Carrier Board Options: Analog & Camera Link®**

### **Video Processing Functions:**

- **Video Stabilization**
- **Moving Target Detection**
- **Object Tracking**
- **Video Enhancement**
- **Picture In Picture**
- **H.264 / M-JPEG**
- **Image Stitching**
- **Multi-Camera Image Blending**

# SLA-2000



## Carrier Board Options

### Analog Carrier Board

Adds standard connectors for harnessed interface.

- Part Number: SLA-2000-AB.
- Adds interface with 4 input and 1 output NTSC BNC connectors, DB-9 Serial and RJ45 Ethernet.

### Camera Link ® Carrier Board

Adds standard connectors for harnessed interface.

- Part Number: SLA-2000-CL.
- Adds interface with 26 pin Camera Link ® connector, 1 input and 1 output NTSC BNC connectors, Dsub Serial and RJ45 Ethernet.

### Enclosed Options

- Full enclosure options, Including an IP-67 submersible / dust proof version, are available.

## Specifications

Video Input	<ul style="list-style-type: none"> <li>• Quad NTSC camera inputs</li> <li>• 16-bit digital camera input</li> </ul>	Control Interfaces	<ul style="list-style-type: none"> <li>• 10/100 BASE-T Ethernet PHY</li> <li>• RS-232 (2 channels)</li> <li>• I<sup>2</sup>C</li> <li>• GPIO (x 2)</li> </ul>
Video Output	<ul style="list-style-type: none"> <li>• SD analog output</li> <li>• Compressed Ethernet</li> <li>• H.264 / M-JPEG</li> </ul>		
Storage	Any sized MicroSD	Input Voltage	8-15 V DC
Operating Temperature	- 40° to + 85°C	Power Consumption	7 W (max)
Size	3.38 x 2.88 x 0.55 inches (85.7 x 73.0 x 14 mm)	Weight	1.52 ounces (43 grams)

**SIGHTLINE**  
APPLICATIONS

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