Acadia® ILS-5000-SD™
Video Stabilization Module for Analog OEM Cameras

Compact analog cameras are common everywhere from law enforcement, surveillance, and intelligent traffic systems to border protection, robotics, and unmanned vehicles. System designers are often challenged by camera shake and vibration caused by moving platforms, weather, and long-range zoom. SRI Sarnoff has the solution: the ILS-5000-SD, a real-time video stabilization module, designed for original equipment manufacturer (OEM) analog cameras, such as Sony® FCB-EX and FCB-EX-E standard definition block cameras.

SRI Sarnoff provides powerful video stabilization to high-end military and surveillance applications. The ILS-5000-SD offers this advanced technology in an off-the-self configuration. At a price comparable to the typical OEM analog camera, the video stabilizer corrects for unwanted vertical, horizontal, and rotational motion across a wide range of shake frequencies.

Designed for easy integration, the ILS-5000-SD supports Sony’s VISCA® camera control protocol, including ILS-5000-SD specific extensions, providing a simple interface for both video and stabilization control. The product’s optional CVBS interface board allows for seamless integration with all NTSC/PAL standard definition cameras.

Thanks to the ILS-5000-SD, it’s never been simpler to upgrade compact analog cameras, making the video easier to see, interpret, and act upon.

Applications

- Unmanned air and ground vehicles
- Robotics
- Machine vision
- Border protection
- Law enforcement (including dashboard cameras)
- Traffic monitoring
- General surveillance
- Visible and infrared cameras

Benefits

- Stabilizes video, dramatically reducing unwanted horizontal, vertical, and rotational motion
- Covers a wide range of shake frequencies to fit a variety of applications
- Supports the Sony VISCA® serial protocol
- Enables video stabilization on/off control via serial command
- Offers optional CVBS interface board for integration with all NTSC/PAL standard definition cameras
### Specifications

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<th>ILS-5000-SD</th>
<th>ILS-5000-SD with CVBS</th>
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<tr>
<td><strong>Video Format</strong></td>
<td>NTSC/PAL</td>
<td>NTSC/PAL</td>
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<tr>
<td><strong>Video Input Connector</strong></td>
<td>Sony FCB-EX/EX-E 9-Pin</td>
<td>MCX or 20-pin FFSD</td>
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<tr>
<td><strong>Video Output</strong></td>
<td>9-Pin JST</td>
<td>9-Pin JST</td>
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<tr>
<td><strong>Processor Board Dimensions</strong></td>
<td>50 mm x 50 mm x 9 mm</td>
<td>27 mm x 27 mm x 8 mm</td>
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<tr>
<td><strong>CVBS Interface Board</strong></td>
<td>N/A</td>
<td>27 mm x 27 mm x 8 mm</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>6–12 VDC, 1.8 W @ 12 VDC typ</td>
<td>6–12 VDC, 1.8 W @ 12 VDC typ</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-30°C to 70°C</td>
<td>-30°C to 70°C</td>
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<tr>
<td><strong>Serial Communication</strong></td>
<td>RS-232/RS-422/RS-485</td>
<td>RS-232/RS-422/RS-485</td>
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<tr>
<td><strong>Stabilization Control</strong></td>
<td>On/Off via Serial</td>
<td>On/Off via Serial</td>
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<tr>
<td><strong>Network Protocol</strong></td>
<td>TCP/IP, DHCP, HTTP, UDP, RTP, RTCP, FTP</td>
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<tr>
<td><strong>Configuration</strong></td>
<td>Web-based configuration manager</td>
<td></td>
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<tr>
<td><strong>COM Port</strong></td>
<td>TTL</td>
<td></td>
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<tr>
<td><strong>Storage</strong></td>
<td>microSD card</td>
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**Contact Us**

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