Acadia® ILS-5000-SD™
Video Stabilization Module for Sony® Block Cameras

Sony block 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 compact, powerful video stabilization module, expressly designed for 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 brings this advanced technology to Sony block cameras. At a price less than the typical block camera, the module 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. By matching the profile of Sony block cameras, the module is ideal for new and existing systems.

Thanks to the ILS-5000-SD, it’s never been simpler to upgrade Sony block 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
- General surveillance
- Inspection systems

### Benefits
- Stabilizes video, dramatically reducing unwanted horizontal, vertical, and rotational motion
- Covers a wide range of shake frequencies to fit a wide range of applications and camera mounts
- Supports the Sony VISCA® serial protocol
- Enables video stabilization on/off control via VISCA protocol

### Supported Cameras

#### Sony EX Series
- FCB-EX490D
- FCB-EX490DP
- FCB-EX480C
- FCB-EX480CP
- FCB-EX990D
- FCB-EX990DP
- FCB-EX980S
- FCB-EX980SP
- FCB-EX980
- FCB-EX980P
- FCB-EX1010
- FCB-EX1000
- FCB-EX1000P

#### Sony EX-E Series
- FCB-EX-48E
- FCB-EX-48EP
- FCB-EX-490E
- FCB-EX-490EP
- FCB-EX-985E
- FCB-EX-985EP
- FCB-EX-995E
- FCB-EX-995EP
- FCB-EX-1020
- FCB-EX-1020P
Board Interface Connectors

DC/Video In - J4

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Communication Header - J3

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Header: JST S10B-ZR-SM4A-TF(LF)(SN)

DC/Video Out - J6

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Header: JST S9B-ZR5M4A-TF(LF)(SN)

Specifications

Inputs: NTSC/PAL Composite
Outputs: NTSC or PAL, Composite and S-Video
Power: 6 to 12 VDC Input, 1.8 W @ 12 VDC typical
Operating Temperature: -30° C to 70° C
Weight: 14.4 grams
Camera Control: RS232, RS-422, TTL
Mounting Bracket & Cable: Available

Contact Us
For more information about this product:
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201 Washington Road
Princeton, NJ 08540-6449
609.734.2553
info@sri.com
www.sri.com/ils-5000-sd

About SRI International
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Headquarters
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333 Ravenswood Avenue
Menlo Park, California 94025-3493
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Additional U.S. and international locations
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