



Acadia® ILS-6000™ Series

*Real-Time, Embedded Stabilizers
for Analog Video*

Turn Shaky Video into Clear,
Actionable Information





The Acadia ILS-6000 Series makes advanced video stabilization easy: easy to install, easy to operate, and easy on your budget.

In today's increasingly dangerous world, use of video technology for security and situational awareness is growing, particularly in outdoor, mobile and remote installations. These applications often face challenges like inclement weather, unstable motion, camera pan/tilt and long-range viewing—all of which can produce distorted video. The end result? Difficult operation, false alarms, and greater workload on encoding and storage devices.

The Acadia ILS-6000 Series of video stabilizers solves these problems by eliminating camera motion artifacts and delivering clear, actionable information. These products are designed to go anywhere your systems need to be, and they require no training for installation and operation. They are priced to allow deployment under even the strictest budgets.

Benefits of stabilization:

- Fewer false alarms in automated systems
- More actionable information
- Significantly lower operator fatigue
- Less work required of compression encoders
- Greater digital storage capability

There are three configurations in the Series—the rugged ILS-6000 for outdoor and vehicle-mounted installations, the low-profile ILS-6100 printed circuit board for OEM integration, and the rack-mounted ILS-6200 for four- or eight-channel analog camera systems. They all use the latest embedded processing technology and advanced algorithms to provide extraordinary, real-time video motion stabilization.

The ILS-6000 Series:

- Stabilizes translation, rotation, and scale
- Provides full-color video processing
- Features low latency and very low power consumption
- Corrects for a wide range of frequencies
- Seamlessly passes input video on loss of power

Type
Input/Output Channels
Indicator
Dimensions (L x W x H)
Weight
Power
Finish
Operating Temperature
Input
Output
Functions
Bypass
Latency
Accessories



Acadia ILS-6000

The Acadia ILS-6000 is a small plug-and-play box designed to bring high-performance video stabilization to the field. The ILS-6000 features rugged, tamper-resistant, weather-resistant housing. It is ideal for a range of outdoor applications, from post-mounted and vehicle-mounted cameras for surveillance to intelligent traffic systems and video post processing.

- Excellent retrofit for existing systems
- Multiple mounting options



Acadia ILS-6100

The Acadia ILS-6100 is a printed circuit board designed to be integrated into existing camera enclosures or other equipment configurations such as video processing systems, robots, and unmanned vehicles. Its small size and low power consumption make this stabilizer an ideal component for OEMs or integrators looking for added product value and capability.

- Compact design
- Easily fits into existing systems
- Requires minimal engineering effort



Acadia ILS-6200

The Acadia ILS-6200 is a multichannel, universal rack mount configuration that fits to a standard 19-inch rack. It conforms to established broadcast standards and has channels to support up to eight analog cameras. The ILS-6200 design is perfect for use in large control room settings, from data centers to nuclear power plants. It saves space while expanding functionality.

- Compact 1U format
- Easy to install
- Simple retrofit for adding stabilization to systems

ILS-6000	ILS-6100	ILS-6240	ILS-6280
Ruggedized enclosure	OEM PCB	Four (4) channel 19" rack mount system, 1U	Eight (8) channel 19" rack mount system, 1U
1	1	4	8
None	None	Lighted On/Off Switch, one (1) per channel	
165 mm x 69 mm x 51 mm (6.5 in x 2.7 in x 2.0 in)	145 mm x 41 mm x 23 mm (5.7 in x 1.6 in x 0.9 in)	28 cm x 48 cm x 4.3 cm (11 in x 19 in x 1.7 in)	
565 g (1.25 lb)	85 g (3 oz)	2.0 kg (4.5 lb)	2.2 kg (4.8 lb)
8 – 60 VDC, 2.5 W	8 – 60 VDC, 2.5 W	100 – 240 VAC, 50/60 Hz, 1.0 A	100 – 240 VAC, 50/60 Hz, 2.0 A
Black anodized aluminum	N/A	Black powder coat	
-30° C to 70° C	-30° C to 70° C	0° C to 50° C	

Analog composite video, 1 BNC connector per channel, 75 ohm, PAL or NTSC, auto-detect

Analog composite video, 1 BNC connector per channel, 75 Ohm, PAL or NTSC, auto-detect, automatically adapted to input format

Image stabilization for camera translation, rotation, scale, pan, and zoom

Unit passes incoming video if unpowered

Approximately 60 msec

Mounting kits, power supplies, and cables



Contact Us

info@sarnoff.com
609.734.2553
sarnoff.com/ils-6000



Use the QR scanner on
your smartphone to see the
ILS-6000 in action!

Need a QR code scanner? It's easy and free to
download an application from your service provider.

SRI International, an independent research and development organization, performs sponsored R&D for governments, businesses, and foundations, and brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures. SRI is known for world-changing innovations in computing, health and pharmaceuticals, chemistry and materials, energy, education, national defense, sensing, and more. SRI Sarnoff is well known for its broadcasting, vision, and semiconductor innovations.

Headquarters

SRI International

333 Ravenswood Avenue
Menlo Park, CA 94025-3493
650.859.2000

Washington, D.C.

SRI International

1100 Wilson Blvd., Suite 2800
Arlington, VA 22209-3915
703.524.2053

Princeton, NJ

SRI International Sarnoff

201 Washington Road
Princeton, NJ 08540-6449
609.734.2553

*Additional U.S. and
international locations*

www.sarnoff.com