

# STABILIZED CAMERA SYSTEMS

stabilizedcamerasystems.com

info@stabcamsys.com



**SCS-15-LC**



**CINE**

A solution for the cinema and television market.

**SCS-15-LU**



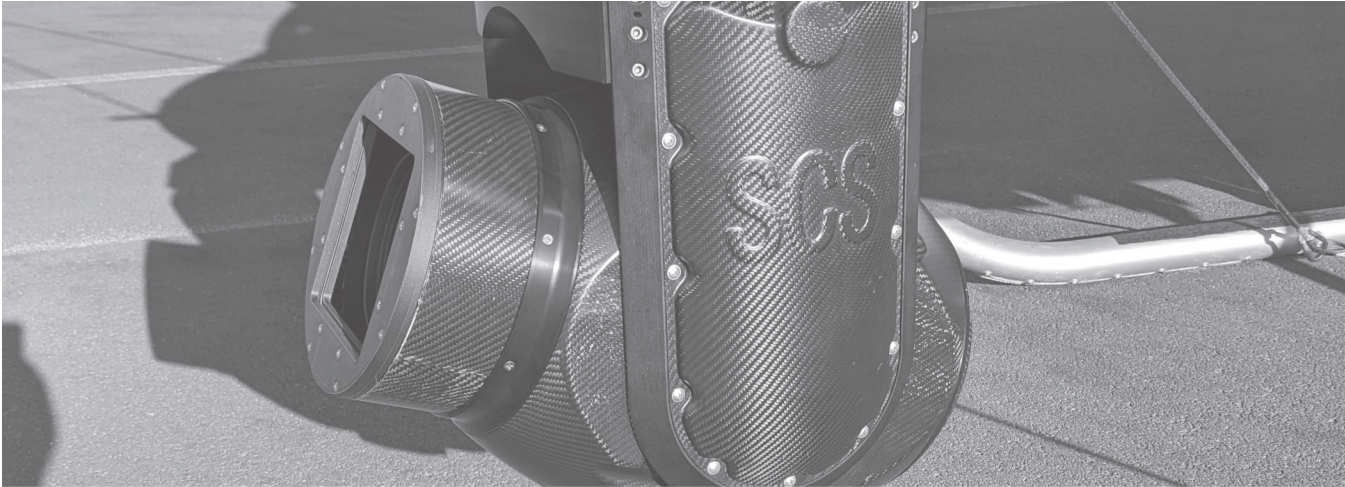
**UTILITY**

A solution for inspection and documentation of infrastructure assets.

	<b>System Features</b>	<b>System Features</b>
Gimbal Type	5-axis	4-axis
ITAR export restrictions	None	None
User reconfiguration	Interchangeable cameras/lenses	Interchangeable cameras/lenses
Future proofing	Fully upgradeable gimbal, camera, and lens as technologies evolve	Fully upgradeable as gimbal, camera, and lens technologies evolve
Level Horizon	Yes	No
Mounting orientation	Platform designed for both standard and inverted use	Platform designed for both standard and inverted use
Mounting interface	Compatible with existing air and ground vehicle mountings	Compatible with existing air and ground vehicle mountings
Navigation	GPS based operator steering assist mode.	Automated GPS targeting based on a list of survey targets.
Gimbal Control Interface	Operator console with joystick steering and lens controls	Target list and mission monitoring app; also SDK for customer created applications
Line of Sight Meta-Data	Available	Full logging of target acquisition
Maintenance	All core electronics modules accessible on flight line	All core electronics modules accessible on flight line

CINE	UTILITY
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Specification		Specification	
System Dimensions (Dia. x H)	15 in. x 27.0 in.	15 in. x 23.3 in.	
Gimbal Weight (without payload)	60 lbs	50 lbs	
Total System Weight (based on existing payloads)	120 lbs	80 lbs	
Power Requirements	28 VDC, 200 W (Typical), 560 W (Max)	28 VDC, 200 W (Typical), 560 W (Max)	
Performance		Performance	
Axes of Stabilization	Yaw, Pitch and Roll	Yaw and Pitch	
Stabilization Performance	25 $\mu$ R RMS Jitter Yaw, Pitch and Roll	25 $\mu$ R RMS Jitter Yaw and Pitch	
Range of Travel:	Azimuth: 1350°	Azimuth: 990°	
	Elevation: 25° up, 110° down from level	Elevation: 25° up, 110° down from level	
	Roll: $\pm$ 45°	n/a	
Maximum Slew Rates:	Yaw 80 °/s	Yaw 80 °/s	
	Pitch 80 °/s	Pitch 80 °/s	
Maximum Acceleration	300°/s <sup>2</sup>	300°/s <sup>2</sup>	
Pointing Accuracy	2.5m at 1000 ft range	2.5m at 1000 ft range	
Environmental		Environmental	
Temperature Range (Operating)	-10°C to +40°C	-10°C to +40°C	
Temperature Range (Non-operating)	-40°C to +50°C	-40°C to +50°C	
Airspeed – maximum	120 knots	120 knots	



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[info@stabcamsys.com](mailto:info@stabcamsys.com)