

VEL: 81 KTS @ 353°
LOS: 103° x -17°
GIM: 106° x -11°



FAMILY OF GIMBALS

STAG™ 5 SUAS Tactical Agile Gimbal

High Performance SWaP Optimized Stabilized Intelligence, Surveillance and Targeting for Group 1-3 UAS

The SUAS Tactical Agile Gimbal family is a line of best-in-class highly stabilized imaging systems optimized for Common Launch Tube UAV and other ISR & ISR-T applications requiring high performance in a SWaP optimized form factor. This gimbal family supports STANAG compliant laser target designation in a small/tactical UAS class gimbal payload. The open architecture (MOSA) and common platform base deliver the same precision pointing and controls across a broad range of mission optimized payloads.

Common Platform Features

- Precision two axis stabilization
- Integrated GPS/INS for geopointing/geolocation
- Onboard HD image processing
- Integrated multi mode target tracker
- Sized for CLT (5.5" diameter, 4-5lbs including payload)
- Ethernet control supporting STANAG 4586
- HD capable H.264 video with MISB metadata



STAG5-SLD



STAG5-LLD



STAG5-M



STAG5-L



STAG5-E0



STAG5-E0XR



BENEFITS

- STAG5-SLD: Laser Designator, SWIR/Day Imaging, Laser Rangefinder
- STAG5-LLD: Laser Designator, Improved Day/Night Thermal Imaging, Laser Range Finder
- STAG5-M: MWIR/Day Imaging Pointer (optional), Laser Rangefinder
- STAG5-L: LWIR/Day Imaging Pointer (optional), Laser Rangefinder (optional)
- STAG5-EO: Low Cost Day Imaging
- STAG5-EOXR: Extended Range Day Imaging
- STAG5-"X": Ready to collaborate on custom payloads gas, commercial marine, yacht, transport, drilling and pumping applications.

COMMON SPECIFICATIONS

Component	Description
Communications	Ethernet control supporting STANAG 4586 Dual HD Capable H.264 video output Streams with MISB metadata
Environment	-30°C to +50°C Ingress sealing to IP54 110G Shock Resistant Optional window heaters
Size	8.0" Tall 5.5" Diameter (6" CLT compatible)
Power	18-32V Input; 24W Typical

STAG™5-SLD

Payload	SWIR 640x480 see-spot, HFOV 9" Color Camera, HFOV of 14° to 4.1° STANAG 3733 Compliant LD Optional: Second camera, coded target marker/designator, Laser Rangefinder and IR Illuminator
Weight	4.7 lbs

STAG™5-LLD

Payload	HD LWIR, 1280x1024 10µm uncooled 18.3° HFOV; Low Light/See-spot, 1280x1024 13.9° HFOV; Color Camera 14MP 720P 14.3° -4.1° HFOV; STANAG 3733 Compliant LD
Weight	5.3 lbs



STAG™5-M

Component	Description
Payload	MWIR 640x480, 8x optical zoom HFOV of 21.7° to 2.3° 720p Color Camera, HFOV of 14° to 4.1° Optional: Second camera, NVG compatible IR pointer, and Laser Rangefinder
Weight	5.0 lbs

STAG™5-L

Payload	HD LWIR, 1280x1024 10µm uncooled 18.3° HFOV Color Camera 14MP 720P 14.0° -4.1° HFOV Optional NVG Compatible LP, LRF
Weight	4.2 lbs

STAG™5-EO

Payload	1080p Color Camera, Continuous zoom from 64° to 2.4° HFOV Optional: Laser Rangefinder or Second Situational Awareness Camera 59° to 18.5° HFOV, NVG compatible IR Pointer
Weight	4.4 lbs

STAG™5-EOXR

Payload	720p color camera with continuous zoom from 20° to 0.6° HFOV Laser Rangefinder
Weight	4.6 lbs

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