

STAG™ 5 FAMILY OF GIMBALS

SMALL UAS TACTICAL AGILE GIMBAL



HIGH PERFORMANCE GIMBALS FOR INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE AND TARGETING MISSIONS

The SUAS Tactical Agile Gimbal family is a line of best-in-class stabilized systems for the Common Launch Tube and other 5" gimbal applications. This gimbal family supports STANAG compliant laser designation in small UAS class gimbal payload. The open architecture 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 geointing/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-M



STAG5-L



STAG5-EOXR



STAG5-EO

STAG™ 5 FAMILY (SMALL UAS TACTICAL AGILE GIMBAL)

AVAILABLE PAYLOADS

- STAG5-M: MWIR/Day Imaging Pointer (opt), Laser Rangefinder
- STAG5-SLD: Laser Designator, SWIR/Day Imaging, Laser Rangefinder
- STAG5-EOXR: Extended Range Day Imaging
- STAG5-EO: Low Cost Day Imaging
- STAG5-L: LWIR/Day Imaging Pointer (opt), Laser Rangefinder (opt)
- STAG5-"X": Ready to collaborate on custom payloads

COMMON SPECIFICATIONS

COMPONENT	DESCRIPTION
Communications	Ethernet control supporting STANAG 4586 Dual HD Capable H.264 video output Streams with MISB metadata
Environmental	-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)

STAG5-M

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
Power	18-32V input 30W typical

STAG5-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
Power	18-32V input 25W typical

STAG5-EOXR

COMPONENT	DESCRIPTION
Payload	720p color camera with continuous zoom from 20° to 0.6° HFOV Laser Rangefinder
Weight	4.6 lbs
Power	18-32V input 25W typical

STAG5-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
Power	18-32V input 25W typical

STAG5-L

Payload	LWIR 640-512, 5X optical zoom, HFOV of 24.4° to 4.9° 720p color camera 14° to 4.1°
	Optional: Second camera, 7° to 2° HFOV, NVG compatible IR Pointer, Laser Rangefinder
Weight	4.2 lbs
Power	18-32V input 25W typical



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