



FAMILY OF GIMBALS

STAG™ 8 SUAS Tactical Agile Gimbal

High Performance Stabilized ISR&T for SWaP Sensitive Solutions Including Group 2-3 UAS

The STAG8 family is a line of best-in-class stabilized systems providing a broad range of ISR and Targeting (ISR&T) capabilities across several classes of payload families: STAG4, STAG5, and STAG8. The STAG8 family of gimbals is optimally designed to meet the stringent requirements of the Army's FTUAS program in a high performance, SWaP optimized modular design (MOSA Compatible), offering a variety of payload options.

The high-definition mid-wave package includes the industry leading DRS HexaBlu® cooled 6-micron camera core detector.

The STAG8 gimbal family supports STANAG compliant laser designation in small/tactical (Group 2/3) UAS class gimbal

payload which is also suited for a variety of manned aircraft, aerostat, maritime, and ground based applications. The open architecture and common platform base deliver the same precision pointing and controls across a broad range of mission optimized payloads

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KEY FEATURES

- Part of the multi-payload STAG™ family of gimbals
- HexaBlu® cooled 6-micron camera core detector
- Pan/tilt and roll/nod (nose-mount) configurations
- Onboard edge processing module for advanced algorithms
- Best-in-class gyro stabilization for laser pointing
- Multi-mode target tracker
- Ethernet control supporting STANAG 4586
- Dual HD capable H.264 video output stream with MISB metadata
- Integrated GPS/INS for geolocation

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	7.75 in diameter 11.0 in tall <12 lbs
Power	18-32V input

STAG™8-MLD

Payload	1080p, 52.6° to 2.2° HFOV global shutter EO camera auto focus with additional 4x digital zoom,
	640x480 5.8° SWIR see spot camera with 4x digital zoom,
	1280x960 MWIR 25.9° to 2.7° continuous zoom with additional 4x digital zoom,
	Eye safe laser range finder with up to 5km range (3km for NATO standard target).
	STANAG 3733 compliant laser designator
	Optional: gigabit ethernet, uncompressed digital video output

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STAG™8-M

Component	Description
Payload	1080p, 52.6° to 2.2° HFOV global shutter EO camera auto focus with additional 4x digital zoom,
	1280x960 MWIR 25.9° to 2.7° continuous zoom with additional 4x digital zoom,
	Optional: Eye-safe Laser Rangefinder with up to 5km range (3km for NATO standard target), NVG Laser Pointer

STAG™8-E0

Payload	1080p, 52.6° to 2.2° HFOV global shutter EO camera,
	720p 0.5° global shutter spotter
	EO camera auto focus with additional 4x digital zoom,
	Optional: Eye-safe laser Rangefinder (3km for NATO standard target), NVG laser pointer

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