



HRM-04

SHERPA 6 • SOLUTION • EDGE COMPUTE // FPV DATA TRANSPORT

SOF WEEK • BOOTH

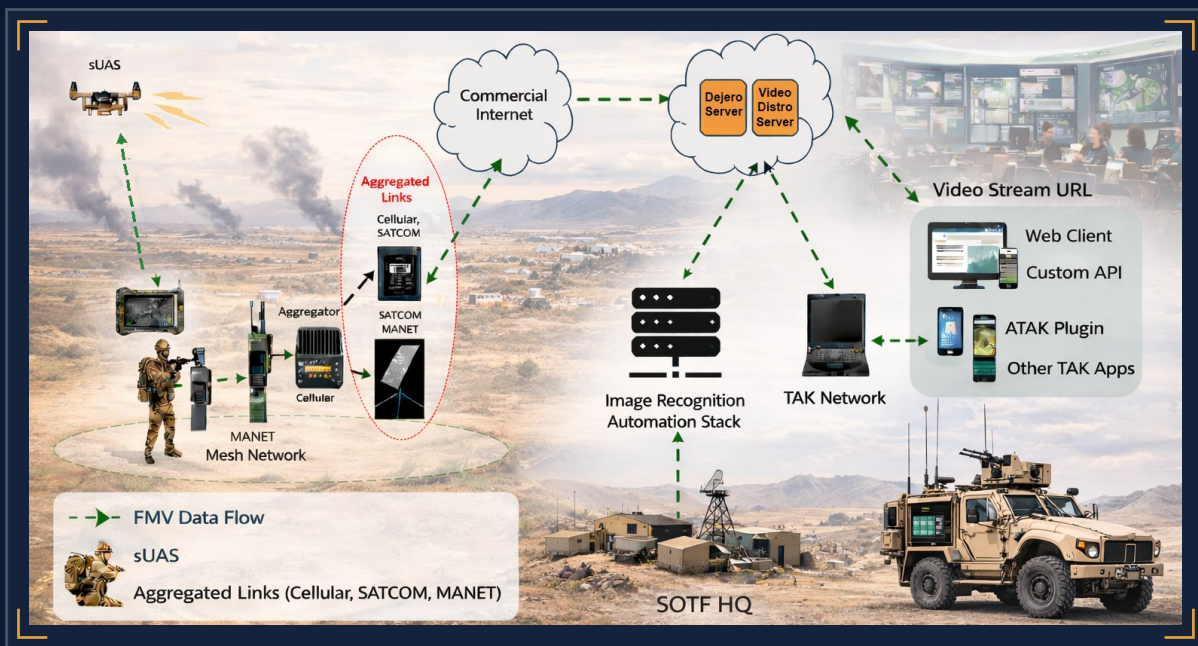
#245

TAMPA • 2026

NOW FEATURING

hermes

Hardened Edge Media Extension System. Live video from the X to anywhere - over any network the enemy hasn't taken yet.



WHAT HERMES DELIVERS

HERMES closes the FPV-to-ATAK gap identified by 5th SFG(A): operators selectively publish UAS video to local ATAK users and remote decision-makers across disparate networks and partner-force devices — no custom GCS, no proprietary stack, no ITAR friction. The result is a shorter kill chain, persistent battlespace awareness, and immediate interoperability with coalition forces. MVP and TRL 6 achieved with 5th SFG(A) in December 2025 over bonded cellular, SATCOM, and MANET; TRL 8 targeted at Eager Lion in May 2026.

C-01

Edge ingest & normalization

Capture analog FPV and digital feeds from UAS; convert to RTSP, SRT, or TCP at the operator or GCS.

C-02

Bonded multi-path transport

Aggregate LTE/5G, Starlink, MANET, tactical radio, and Wi-Fi into a single resilient pipe with dynamic fallback.

C-03

TAK & remote viewer reach

Selectively publish operator video to local ATAK users and to remote sites - across disparate networks and partner-force devices.



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hermes.

HERMES delivers low-latency, survivable high-bandwidth FPV and sensor video from the tactical edge to ATAK, partner forces, and remote decision-makers - even when the network is contested.

OVERVIEW

HERMES is built around a wearable, GPU-accelerated edge node positioned with the operator or co-located at the GCS. The node ingests analog FPV and digital video, normalizes it into RTSP, SRT, and TCP, and routes it through a bonded WAN stack — LTE/5G, MANET, Starlink, Dejero EnGo, tactical radio, and Wi-Fi — with traffic shaping, forward error correction, and dynamic link aggregation. LPI/LPD techniques (adaptive bitrate, directional routing, variable power, burst-optimized transport) reduce EW exposure. Containerized software hosts ATAK plugins, sensor fusion, computervision analytics, targeting apps, and electronic-signature management — all loaded onto the same compute layer without hardware changes. Aligned to SOCOM BAA 4.1.1.3 and ready for procurement.

CAPABILITY INDEX

C-01 FPV & Digital Ingest

Analog and digital video capture from sub-\$500 UAS at the operator or GCS — converted to RTSP, SRT, and TCP at the edge.

C-03 LPI / LPD Distribution

Adaptive bitrate, directional routing, variable power, and burst-optimized transport to minimize EW exposure.

C-05 Modular Mission Applets

Containerized stack hosts ATAK plugins, sensor fusion, CV analytics, targeting, and signature-management modules.

C-02 Bonded WAN Transport

Multi-path link aggregation across LTE/5G, MANET, SATCOM, Starlink, and Wi-Fi with dynamic fallback and FEC.

C-04 TAK Server & Remote Viewer

Selective publication to local ATAK clients and to cloud-based weblinks for authorized remote operators.

C-06 Coalition-Ready by Design

Fully COTS, CUI-safe, ITAR-free — exportable to vetted partner forces with minimal training overhead.



COTS. CUI-safe. Exportable. Field at the speed of mission — not procurement.



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YOUR PATH TO SHERPA 6 SOLUTIONS

Visit our booth **#245** - or scan to learn more.

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