

SPECTRE



**CONNECT.
COMMUNICATE.
SURVIVE.**

HOVERFLY SPECTRE (2.0) is a VTOL multirotor sUAS powered from the ground using a highly engineered resilient tether. As a persistent, multi-payload, aerial platform it is currently used for ISR, Communications Relay (VHA), and Counter-UAS. With rapid deployment and rapid collapse, it can be mounted on and operated from moving vehicles, on the ground, and on buildings, to enhance and enable new missions. As a VHA, Hoverfly Spectre is the key to reliable communications and survivability while on the move.

SPECIFICATIONS

PAYLOAD CAPACITY	5 lbs; dependent on payload power consumption and environmental conditions
FLIGHT DURATION	Continuous - 1500 hour maintenance
OPERATING ALTITUDE	60 meters / 200 feet
ENVIRONMENTAL	Weather Resistant (meets MIL 810)
WIND TOLERANCE	Sustained - 25 mph Gusts - 35 mph
AIRCRAFT WEIGHT	Aircraft - 8.8 lbs Base - 70 lbs
CONTROL	Ruggedized tablet, PC, ATAK, RaptorX, SDK
LAUNCH/RECOVERY	Quick attachment no-toll landing ring
POWER	< 2000 Watts continuous, 2400W peak
TRANSPORT	2 cases total weight - 175 lbs / 79 kg
SETUP TIME	< 10 minutes from case to altitude
MAINTENANCE	No-tool field Replacement with spares kit



FEATURES

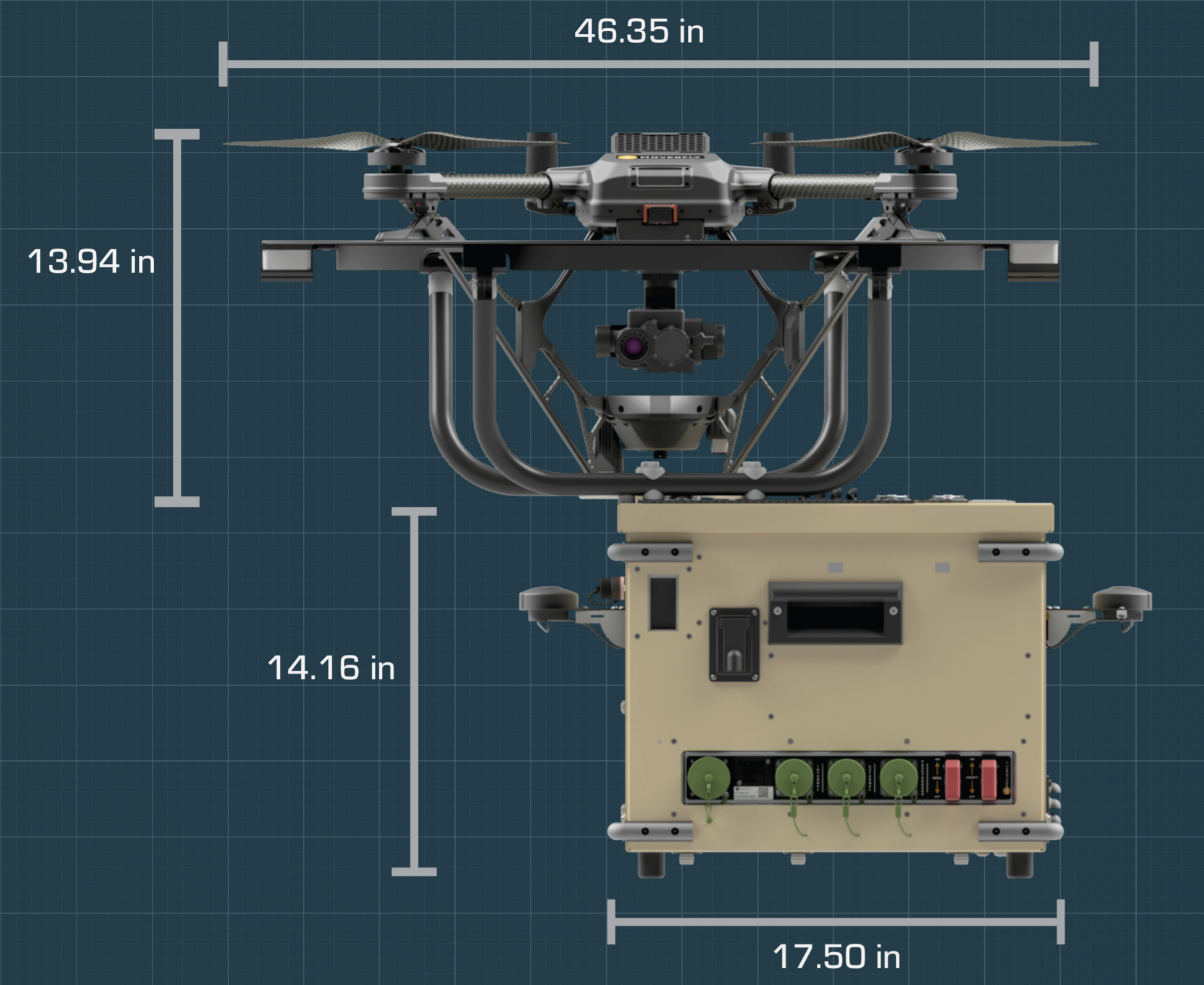
- On-The-Move (OTM) mobile operation - move, communicate, move
- All Weather GPS Denied - GPS Jam/Spoof detect and mitigation
- Precision Landing - Launch and recovery from 1-meter ring
- Open payload architecture for rapid integration
- Battery backup in Aircraft and Base with auto-landing on power loss
- Autonomous launch/flight/land
- Minimal training - No piloting needed
- Durable composite construction
- MIL-STD-461 Compliant
- No RF emission - all command and control payload data over secure tether



HOVERFLY®



DESIGNED FOR INTEGRATION



GENERAL

- Multi-payload capable - two radios, or a radio and ISR payload
- Electronic Warfare/Counter-UAS payload integration
- Designed for rapid radio integration
- Rapid connectivity while on the move
- Field-swappable open architecture payload bay
- Custom payload integrations available
- .NET SDK and REST API available
- AMAG Certified
- Handheld tablet and network control

EW/CUAS

Electronic warfare and counter-UAS payloads offer persistent network surveillance and rapid target detection and identification.

- CACI Firebeast
- Echodyne Radar*
- Matrix Space Radar*

VHA

Communications relay device integrated on variable height antenna extends range by dozens of miles/km. Uninterrupted, wireless communications ready for front line needs.

- TrellisWare TSM/TSMX MANET
- Silvus StreamCaster MN-MIMO/MANET
- Persistent Systems MPU5 MANET
- goTenna Pro X
- Ultra ORION X630 LPI/LPD
- L3 Harris PRC 152/161/163

ISR

Increase situational awareness and provide persistent ISR at 200 feet. Reinforce base security, identify targets on the move, or team with other unmanned systems.

- Standard PTZS EO/IR
- Compatible Advanced ISR Gimbals:
 - NextVision Raptor EO/IR
 - Logos Technologies MicroKestrel WAMI
 - Trillium Orion HD40-LV/HD45-LV
 - Trillium HD55-VV/HD95-MVS-LD*
 - CONTROP MSTAMP*
 - DRS STAG IV*

**integration coming soon*



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