

SENTRY



HOVERFLY®



HOVERFLY SENTRY is a VTOL multirotor sUAS powered from the ground using a highly engineered resilient tether. As a persistent, multi-day, aerial platform it is currently used for ISR and Communications Relay (VHA). 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 SENTRY is the key to reliable communications and survivability while on the move.

SPECIFICATIONS

PAYLOADS	EO/IR - 120x optical/digital, 1080p visible, 640x512 thermal, fully-stabilized
FLIGHT DURATION	Continuous - 1500 hour maintenance
OPERATING ALTITUDE	60 meters / 200 feet
ENVIRONMENTAL	Weather Resistant (meets MIL 810)
OPERATIONAL	Landing - 15 mph Operational - 25 mph
AIRCRAFT WEIGHT	Aircraft - 3.2 kg Base - 20.5 kg
CONTROL	Ruggedized tablet, PC, ATAK, RaptorX, SDK
LAUNCH/RECOVERY	Quick attachment no-toll landing ring
POWER	90-240VAC, 2000 Watt, NATO plug adapter
TRANSPORT	2 cases total weight - 100 lbs / 45 kg
SETUP TIME	< 10 minutes from case to altitude
MAINTENANCE	Field Replacement with spares kit

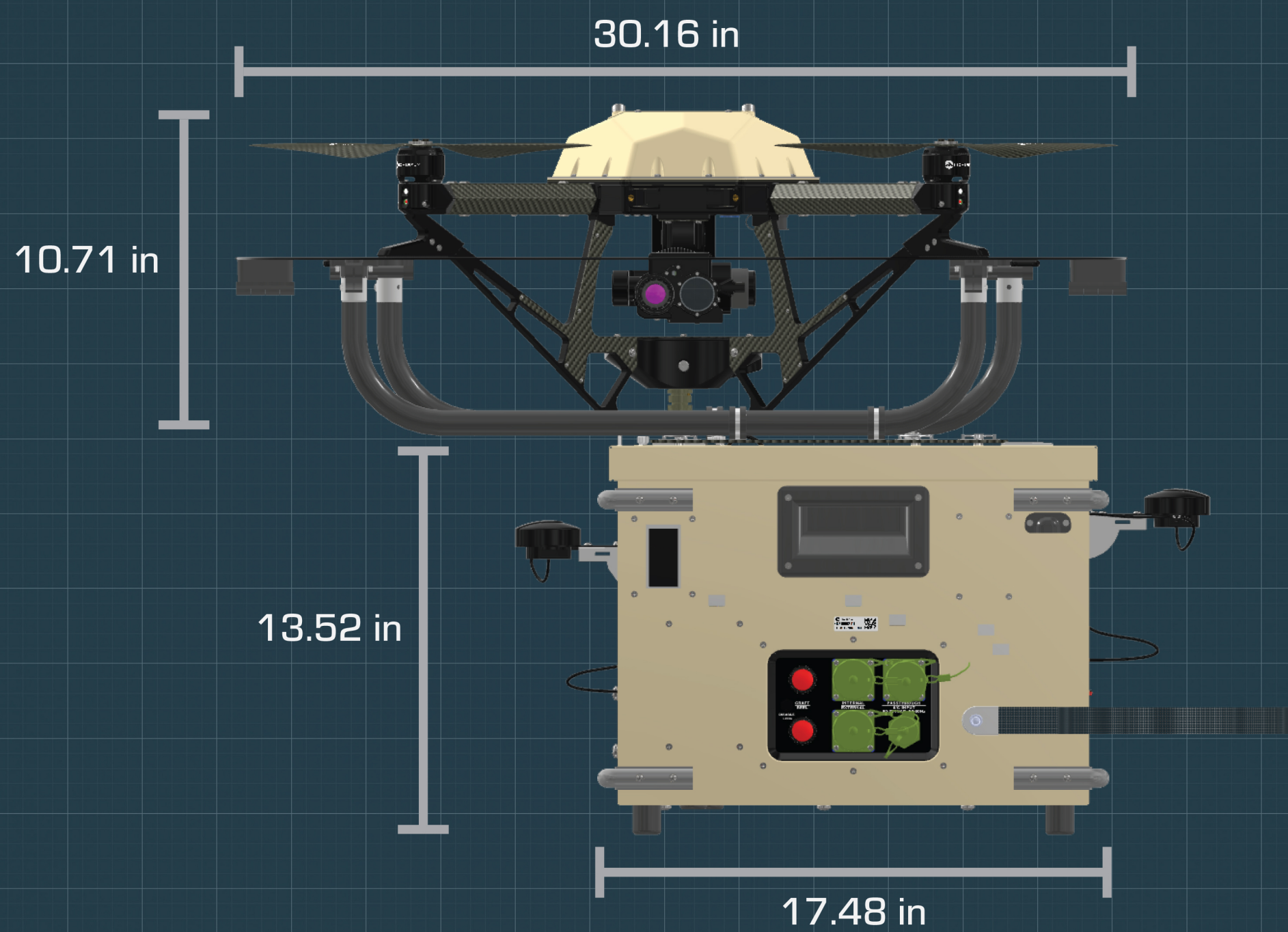
**CONNECT.
COMMUNICATE.
SURVIVE.**



FEATURES

- On-The-Move (OTM) mobile operation - move, communicate, move
- All Weather GPS Denied
- Precision Landing - Launch and recovery from 1-meter ring
- Battery backup in Aircraft and Base with auto-landing on power loss.
- Autonomous launch/flight/land
- Minimal training - No piloting needed
- Durable composite construction
- Payload agnostic
- No RF emission - all command and control payload data over secure tether

DESIGNED FOR INTEGRATION



GENERAL

- Compact and rugged design
- Field-swappable open architecture payload bay
- Custom payload integrations available
- Rapid connectivity while on the move
- .NET SDK and REST API available
- AMAG Certified
- Handheld tablet and network control
- Most fielded tethered-UAS for combat scenarios

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 MANET
- Silvus StreamCaster MU-MIMO
- Persistent Systems EM MANET
- goTenna Pro X



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 PTZ2 EO/IR
- Compatible Advanced ISR Gimbals
 - NextVision Raptor EO/IR
 - Trillium Orion HD25



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