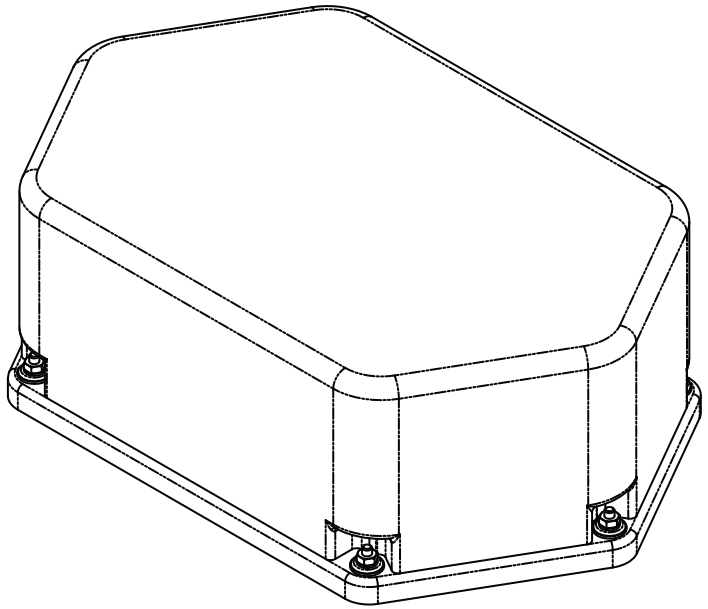
PRODUCT SPECIFICATIONS HOVERFLY SUAVA



Air-to-Ground Steerable Antenna System

The Hoverfly SUAVA, or Steerable UAV Antenna, is a solid-state tracking antenna that allows for point-to-point RF communications links while in the air. The system features a 6 independent antenna array modules that can be configured for either switched array operation, or multi-beam* operation.

Switched Array Operation

The Switched Array variant of the Hoverfly SUAVA operates similar to many of the FAST antenna systems we produce today. Each array module is triggered by the control system based on GPS or signal quality data.

Multi-Beam Operation

The Multi-Beam variant of the Hoverfly SUAVA delivers exciting new capabilities to our FAST platform. Ideal for MESH or PMP network applications, the Multi-Beam Hoverfly SUAVA integrates with the radio to automatically illuminate additional links based on target node location.

Due to its ability to deliver multiple point-to-point beams at a time, the Hoverfly SUAVA can serve as a repeating node that can transmit and recieve to multiple assets simultaneously.

High Performance, Light Package

The Hoverfly SUAVA delivers 7dBi of gain at 4.7Ghz and 33dBm of max input power - all within a small , lightweight package.

The maximum width for the unit is 9.0 inches, with a height of 3.5 inches. Perfect for fitting below a Hoverfly Technologies HL Spectre sUAS.

Adaptive Mesh Compliant

The SUAVA has been integrated with adaptive mesh platforms. Enabling highly flexible and scalable wireless network implementations.

*33dBm Input Power Not Available in Multi-Beam Mode

BATS
www.batswireless.com
8431 Georgetown, Ste. 600
Indianapolis, Indiana 46268

Toll Free +1-888-955-8228
Sales +1-317-500-4507
Support +1-317-500-4506
Email info@batswireless.com

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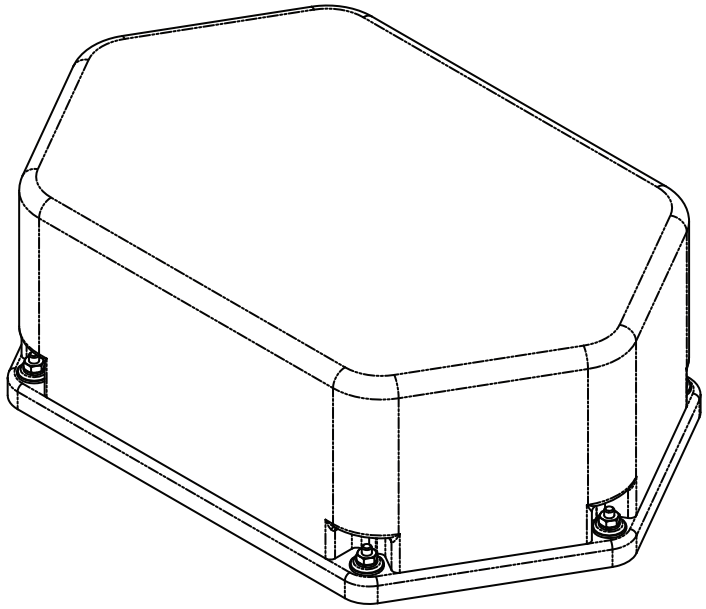

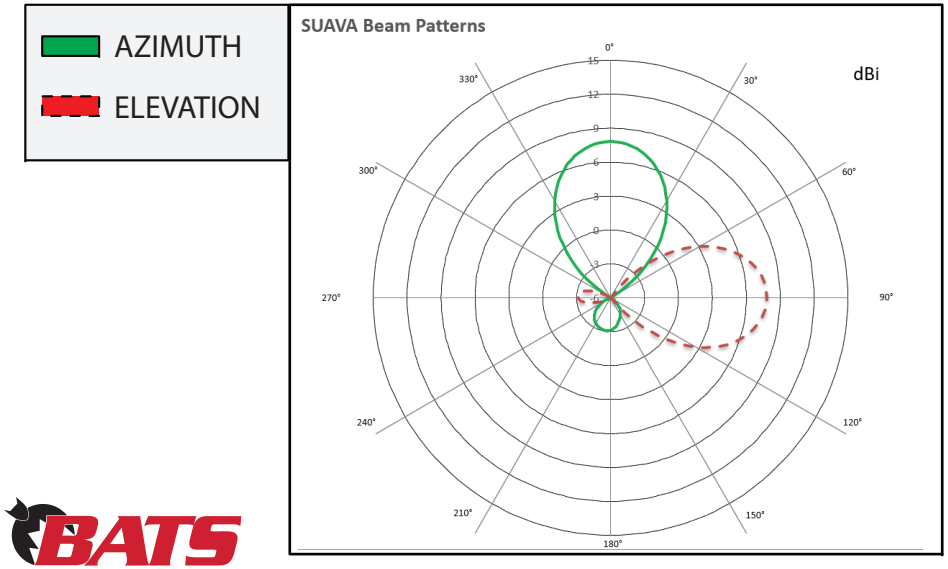

Specifications	
HOVERFLY SUAVA - Steerable UAV Antenna	
FREQUENCY	4.4 - 5.0 GHz (C-Band)
GAIN	7 dBi @ 4.7GHz
POLARIZATION	Dual (Vertical & Horizontal Polarization)
VSWR	2.0:1 Typical (2.5:1 Max)
AZIMUTH BEAMWIDTH	60° Nominal
AZIMUTH COVERAGE	360°
ELEVATION BEAMWIDTH	48° Nominal
ELEVATION COVERAGE	-24° to 24°
ELEMENT COUNT	6 Elements
AVAILABLE BEAM MODES	Single or Multibeam Mode (6 Concurrent Beams Max)
RF POWER INPUT	+33 dBm (Average Per Port)
Physical Specifications	
DIMENSIONS	9.0" x 5.7" x 3.5"
WEIGHT	2.2 lbs (Antenna Only)
ENVIRONMENTAL	IP66 / Operating:-40 to 60°C / Storage:-40 to 70°C
POWER	18-36VDC PoE
CONNECTORS	RF: 2x TNC* / Hoverfly Power & Ethernet
MOUNTING	Multiple Mounting Options Available

* Custom Options Available