SIGHTER

The Sighter drone excels in both indoor and outdoor environments, providing unmatched versatility for all your inspection needs.

SMART FOLDABLE DESIGN

Compact and portable design with rapid deployment capabilities

SUPPORT GPS-DENIED AREA

Advanced computer vision algorithms enable precise positioning and navigation without GPS signals

AI-POWERED CAPABILITIES

Sighter combines advanced imaging, real-time AI processing, and secure data handling for inspection, survey, and security applications.

DUAL CAMERA SYSTEM

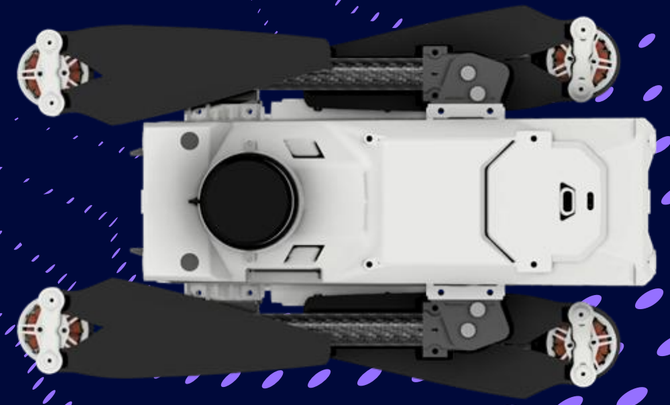
High-resolution 48MP **RGB camera** paired with **thermal imaging** capability enables comprehensive data collection in any lighting condition. Ideal for detailed inspections and thermal analysis.

REAL-TIME AI PROCESSING

Onboard **Qualcomm® Snapdragon processor** enables real-time detection and tracking of humans and vehicles. Provides immediate visual analytics for enhanced situational awareness.

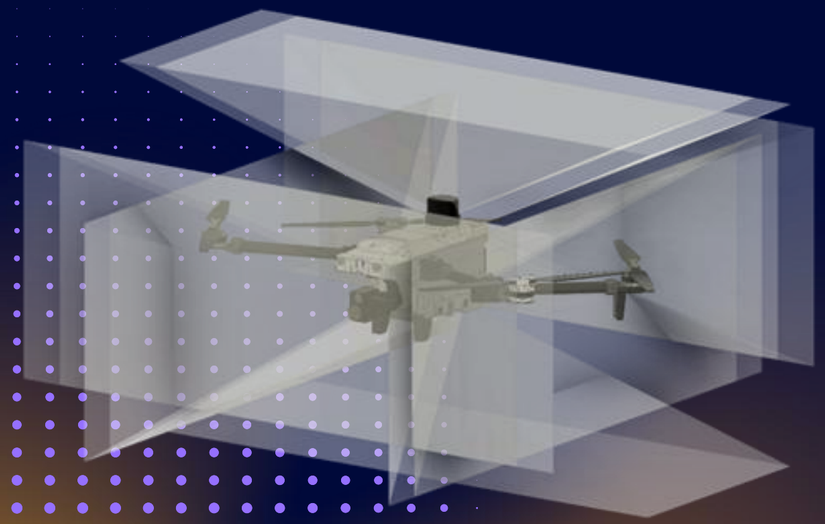
SECURE DATA HANDLING

Secure data transmission protocols protect video streams and collected data. Flexible storage options allow operators to maintain control over sensitive information throughout operations



ADVANCED NAVIGATION & SAFETY SYSTEMS

Sighter features comprehensive obstacle detection and autonomous navigation capabilities, ensuring safe operation in challenging environments without GPS reliance.



6-SIDE COLLISION AVOIDANCE

Advanced sensors provide real-time obstacle detection in all directions - front, back, left, right, top, and bottom - creating a protective bubble around the drone for maximum flight safety.

AUTONOMOUS NAVIGATION

Visual positioning system and multi-sensor fusion enable precise navigation without GPS dependency, perfect for indoor operations and areas with poor satellite coverage.

TACTICAL FLEET MANAGEMENT

Advanced networked control enables remote fleet operation through secure internet connectivity. Monitor and manage multiple drones from a central control center, with real-time mission adjustment capabilities and dashboard monitoring from anywhere.

SIGHTER SPECIFICATION

Maximum takeoff weight	1.95 kg
Control distance	Unlimited (within 4G/5G range) Point-to-point 5KM from station
Hover accuracy (P-GPS)	Vertical: +0.8m, level : +1.5 m
Hover accuracy (D-RTK)	Vertical: 0.1m, level: +0.1 m
Maximum ascent speed	5 m/s
Maximum descent speed (vertical)	5 m/s
Maximum horizontal flight speed	18 m/s
Maximum takeoff altitude	7,000 m
Maximum allowable wind speed	18 m/s
Maximum flight time	45 mins
Maximum Payload Weight	150 g
Supported Camera	Visible light /Thermal

CAMERA SPECIFICATION

Image Sensor	1/2 CMOS, Effective Pixels: 48 MP
Video Resolution	H.264 4K: 30 fps 480p,720p,HD and 4k resolution
Support Interface	MIPI Interface D-Phy 4Lane
White balance	Auto, Pre-set Support
Digital zoom	10X
Manual Exposure	Support
Framerate	24,30,60 fps

Themo resolution	640x512 pixel
Lens	Focal length 9.1 mm.
Spectral range	8~14 µm.
Noise Equivalent Temperature Difference	<50 mk.
Impact and vibration resistance	5.35grms, 3-axis.
Half-sine Wave	40g/11ms, 3 Axis 6 Direction