# MICRO 600

Miniature ISR System for sUAS

Coming Soon...

Operational Impact Enhancement

- Two FHD Global Shutter VIS cameras
- Two Uncooled IR cameras - 12μm
- Simultaneous Video output
  - Parallel / PIP / Raw
- LOS Stabilization
  - Opto-mechanical stabilization
  - Digital stabilization
- Airborne ISR Tracker
- H.265 encoder
- Advanced Two Axis Gimbal Architecture
  - Brushless motors and precision encoders
  - Aerodynamics
- Seamless Integration
  - Ethernet interface
  - SDK for fast platform integration
  - Optional - H.265 decoder SDK
  - MavLink - Optional
- Inertial Navigation - Optional
- Optional AI Functionality
  - VMD -Video Motion Detection
  - ATR-Automatic Target Recognition
  - Homing tracker
- IP66
- Non-ITAR

Detection
Recognition
Identification

Range km.
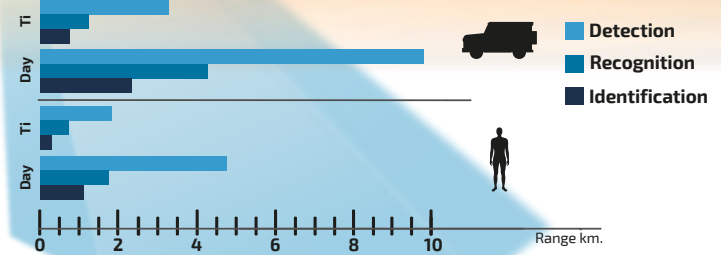
Maximum Performance Per Dollar

Electro-Mechanical

Type:	2 Gimbal Gyro-stabilized System
Field of Regard:	Elevation: -140° to +30°
	Azimuth: x360°
Angular Velocity:	Up to 120 °/sec on both axes

Thermal Nighttime Channel

Spectral Range:	8-12μm
Detector Type:	LWIR uncooled 640x480
Zoom:	Continuous zoom x16
Field of view:	32° - 2°

VIS Daytime Channel

Detector Types:	FHD CMOS Global Shutter
Zoom:	Continuous zoom x31
Field of View:	57° - 2°

Electrical Interface

Power Supply:	12-32 VDC
Power Consumption:	Nominal - 20W
Video Outputs:	H.265 over Ethernet

Environmental Conditions

Operating Temperature:	-30°C to +55°C
Ingress Protection:	IP66

85 mm
120 mm

560 grams

96 mm
55 mm
76 mm

200 grams

Hive- CPU Module
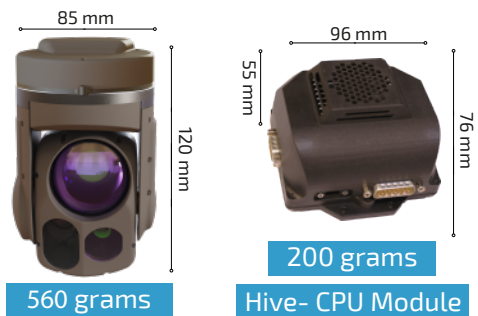
Let's Talk

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MICROCON