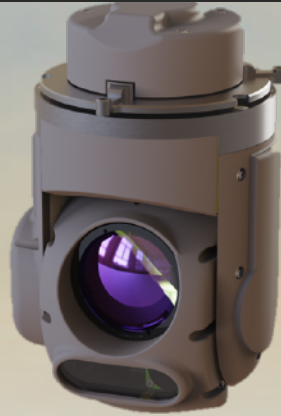


MICRO 300

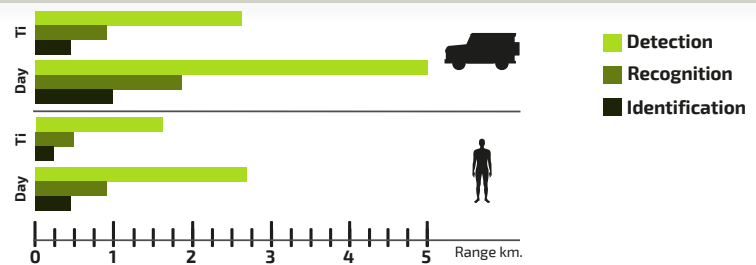
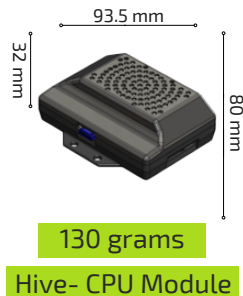
Miniature ISR System for sUAS

MICROCON
UNLEASH YOUR MICRO **POWER**



Operational Impact Enhancement

- Two FHD Global Shutter VIS cameras
- Uncooled IR camera - 12 μ m
- 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
- MOSA / 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



Electro-Mechanical

Type: 2 Gimbal Gyro-stabilized System
 Field of Regard: Elevation: -140° to +90°
 Azimuth $\pm 175^\circ$
 Angular Velocity: Up to 120 °/sec on both axes

Thermal Nighttime Channel

Spectral Range: 8-12 μ m
 Detector Type: LWIR uncooled 640x480
 Zoom: Continuous zoom x4
 Field of view: 12.5° - 3.1°

VIS Daytime Channel

Detector Types: FHD CMOS Global Shutter
 Zoom: Continuous zoom x20
 Field of View: 45° - 2°

Electrical Interface

Power Supply: 24-32 VDC, 12 VDC- Optional
 Power Consumption: Nominal - 20W
 Video Outputs: H.265 over Ethernet

Environmental Conditions

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

Let's Talk



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