



Integrated Surveillance Systems

Ultralight ROWS

Wolf 24-3

Rugged Uncooled LWIR Long Range EO/IR Surveillance



- ⊕ LWIR 25mm-225mm Continuous Zoom
- ⊕ Line Replaceable Unit Configuration
- ⊕ Tools Free/Cable Free Payloads Swap Out in Seconds
- ⊕ 360° Panoramic Image Creation
- ⊕ Optional Optical Target Tracking
- Optional Multiple RF and GPS Jamming
- \oplus Long-Range Human Detection (5km)
- ⊕ Small DJI IV Drone detection (1km)

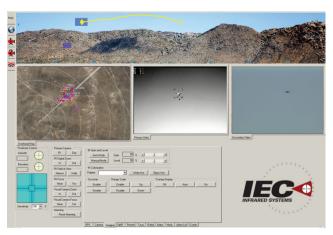
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Specifications



IntrudIR Alert® C2 Middleware





Thermal Detector

- 640x480 LWIR uncooled VOx 17µm
- Spectral range 7-12μm
- NETD <50 millikelvin

Thermal Optics

 25mm-225mm f/1.2 LWIR motorized electric focus continuous optical zoom 24.3° to 2.8° HFOV

Phantom DJI IV Drone optical tracking to 1km

Visual Detector

- 380k EXView CCD
- Spectral range 300-750 nanometers
- Minimum sensitivity 0.01 lux

Visual Optics

• 3.4mm to 122.4mm continuous zoom 57.8° to 1.7° HFOV

Otional Multi-Mode Optical Tracking

Al clutter mitigation for target classification

Optional Ground/Air Surveillance Radar

- Phantom Drone detection and tracking
- Pulse Doppler technology
- 360° w/ 20° VFOV
- Simultaneous multiple beams
- 4Hz update rate

Optional White Spotlight

- 18 million candle power
- Boresighted to EO/IR camera

Optional Mitigation

- Multiplexed jamming signalOperational Bands
- 433MHz, 915 MHz, 868Mhz Frequency 2400-2500Mhz WiFi RF Power 10.0 W (EIRP) Effective Isotropic Radiated Power 158W
- Frequency 5725-5825Mhz WiFi RF Power 5.0 W (EIRP) Effective Isotropic Radiated Power 79W
- Frequency 1562Mhz-1588Mhz GPS RF Power 10.0 W (EIRP) Effective Isotropic Radiated Power 158W

- DJI Phantom IV jamming to 1km
 Pan Travel: 360° continuous rotation
 Tilt Travel: Minimum +/- 90° Tilt Optional: -90° to +180° Tilt
 Pan/Tilt Speed: Slow speed down
- to 0.002°/sec High speed up to 100°/sec
- System Weight: 70lbs dependent on payload configuration and options

Environmental

 Temperature Operational: -40° C to +60° C Storage: -46° C to +85° C



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