

Night Stalker Thermal Imager



M1-NSTI-D39-6 EO/IR Surveillance System

- ⊕ Heavy Duty Ruggedized Gearing
- ⊕ 0.2° Accuracy
- ⊕ Multiple EO/IR Configurations
- ⊕ Tools Free/Cable Free Payloads
- ⊕ 360° Panoramic Image Creation
- ⊕ Optional LRF, Laser Pointer, I² Camera
- ⊕ TASS, PelcoD, Bosch Compatible

IEC Infrared Systems designs and manufactures wide area surveillance systems that are intuitive, simple to operate and provide unmatched situational awareness. When surveillance is the first line of defense, IEC Infrared Systems is the solution.

IEC
INFRARED SYSTEMS
Integrated Surveillance Solutions
A Blackwing Company

Security goes into everything we build.

M1-NSTI-D39-6

Specifications



Thermal Detector

- 640x480 LWIR uncooled VOx 17µm
- Spectral range 7-14µm
- NETD <50 millikelvin

Thermal Optics

- 15mm-100mm LWIR motorized electric focus, 39° to 6.2° HFOV continuous zoom
- Human detection to 3km
- Human recognition to 1km
- Human identification to 0.5km

Visual Detector

- 1/4" EXview HAD CCD 380K pixels
- Spectral range 300-750 nanometers

Visual Optics

- 3.4mm to 122.4mm continuous zoom
- 57.8° to 1.7° HFOV
- 36X optical & 12X digital zoom
- Minimum sensitivity 1.4 lux

Optional Laser Range Finder

- Laser type 905 nm, eye-safe
- Measurement range 1- 2,500 m
- Distance measurement accuracy ±1 m
- Measurement time 0.5s

Optional Laser Illuminator/Pointer

- Output Power 150 mW ±10%
- Wavelength 852 nm @ 25°C
- 750m illumination range
- 10km pointer range

Mechanical

- Heavy duty ruggedized gearing
- Positioning Resolution < 0.2°
- Payload capacity to 30lbs
- Tools-free, blind-mate, quick-change payload mounting system
- Pan Travel: 360° continuous rotation
- Tilt Travel: Minimum +/- 40° Tilt
- Pan/Tilt Speed: Slow speed down to 0.2°/sec
- High speed up to 60°/sec
- Wide input voltage range = 10-36 VDC
- System Weight: 30lbs to 50lbs as single payload configuration and depending on options

Image Processing

- 12X continuous fractional digital zoom
- Picture-in-picture, 3 modes
- Thermal/Visual image fusion
- Multiple video output formats

Environmental

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



IntrudIR Alert® C2 Middleware



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