

# Night Scout

## Portable Surveillance System



### Applications

- Covert Surveillance
- Airport/Seaport/Harbor Security
- Coastal/Border Observation
- Perimeter Monitor

### Detection, Surveillance, Force Protection

- Night Scout is a man-portable, ruggedized, detection and surveillance system designed specifically for stations in extreme environments.

### The NightScout Sensor Module

- A high-speed pan/tilt incorporates a slip ring for 360° continuous sensor coverage
- Premier 300-series MWIR thermal imager
- Complementary color TV which performs at very low light levels.

The wide range of fields-of-view, exceptional sensitivity and high resolution of both sensors provides for extremely long-range target detection, recognition, and identification.

### User-friendly NightScout Control Console

- Built to withstand the harshest of field conditions.
- Extended temperature range LCD display
- Full set of tactical controls

### System Features

- High Performance, Long Range Midwave IR and Color TV sensors
- Exceptional image resolution employing advanced digital image processing techniques
- Extremely Rugged – All elements designed and tested for worst-case field conditions
- Impervious to Dust, Sand, Ice
- Waterproof System Controls & LCD Display
- State-of-Art Pan & Tilt with continuous 360° pan and 145° total tilt available
- Target Geo-Location Option
- LAN Interface for Network Connectivity
- Tower Installation Option
- High Reliability



The products on this data sheet are subject to the controls of the International Traffic in Arms Regulations (ITAR) and will require authorizations prior to export out of the U.S. or transfer to any foreign person.



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### Applications

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### Specifications

- Control Console
  - Windows-based weatherproof controller
  - Pan & tilt joystick, tactical controls
  - 15" Extended temperature LCD full color display
- Pan & Tilt
  - 360° continuous pan at up to 60°/second
  - Tilt range of +85° to -60° at up to 20°/second
  - Fully sealed and weatherproof
- Tripod
  - Lightweight with quick set-up features
  - Designed for flat and steep terrain applications
- Thermal Imager
  - Midwave spectral band (3 – 5  $\mu\text{m}$ )
  - MIL-qualified enclosure, with heated window
  - 320 x 240 InSb FPA
    - \* 4X Microscanning
  - Advanced image processing
  - 3 FOV optical telescope
    - \* Narrow 1.2°H x 0.9°V
    - \* Medium 5.0°H x 3.8°V
    - \* Wide 22.0°H x 16.5°V
    - \* 2X E-Zoom 0.6" H x 0.45V
- TV Sensor
  - Day/Night selectable operation
  - 1/4" color CCD with 450+ TV lines of resolution
  - Integrated lens with 27X zoom
    - \* 3.25mm – 88.0mm focal length
- Power: Nominal 12VDC, 115VAC adapter, Marine battery compatible
- Operating Temperature Envelope: -20°C to +50°C
- Total System Weight: < 145 Lbs



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- Exceptional image resolution employing advanced digital image processing techniques
- Extremely Rugged – All elements designed and tested for worst-case field conditions
- Impervious to Dust, Sand, Ice
- Waterproof System Controls & LCD Display
- State-of-Art, Sealed Pan & Tilt with continuous 360° pan and 145° total tilt available
- Target Geo-Location Option
- LAN Interface for Network Connectivity
- Tower Installation Option
- High Reliability



For more information, contact our office at:  
12600 Challenger Parkway, Suite 125  
Orlando, FL 32826  
Phone: 407-956-4420 Fax: 407-275-1112



Corporate Headquarters:  
12701 Fair Lakes Circle, Suite 800  
Fairfax, VA 22033  
703-322-0881 Fax: 703-322-0885