

# FALCONEYE MW

ELECTRO-OPTICAL SENSOR SYSTEM

LONG RANGE DETECTION/RECOGNITION/IDENTIFICATION

LIGHTWEIGHT WITH INTEGRATED LRF, DMC AND GPS

HIGH RESOLUTION MID-WAVE IR SENSOR

CONTINUOUS ZOOM (IR AND DAY TV)

REMOTE COMMAND AND CONTROL

COLOR DAYLIGHT CAMERA





# FALCONEYE MW

## ELECTRO-OPTICAL SENSOR SYSTEM

### Applications

- Border Surveillance
- Coastal Surveillance
- Reconnaissance
- Fixed and Mobile Security
- Situational Awareness
- Long Range Surveillance
- Law Enforcement

### Main Features

- Operation specific continuous and predefined field of view
- Electronic X2 Magnification
- Automated Image Optimization
- Image Freezing
- Integrated Multi Sensor Suite
- 3 - 5  $\mu\text{m}$  IR Thermal Detector
- Visible Light Day TV Camera
- Contrast/Brightness/Polarity Adjustment
- Automatic & Manual Image Processing Algorithms and Focus
- High Accuracy Target Acquisition
- Upon Tripod & Pan&Tilt Operation
- Built In Test On Demand
- Military Grade Environmental & Electromagnetic Compatibility
- Built specifically for Commercial and Military Surveillance and Reconnaissance

### Standard Accessories

- Tripod
- Motorized Pan & Tilt Unit
- Operator Control Unit
- External AC Adapter
- Lens Protection Lid
- Optical Cleaning Kit
- Carrying Case

### Technical Specifications

#### Thermal Camera Specifications

Optical Zoom	: Narrow to Wide FOV Continuous
Digital Zoom	: 2x @ all FOVs
FOV	(Wide) : 16.8° x 13.5° (Middle) : 6.0° x 4.8° (Narrow) : 2.0° x 1.6°
IR Sensor	: 640 x 512 (Cooled)
IR Band	: 3-5 $\mu\text{m}$

#### Daylight Camera Specifications

Optical Zoom	: Narrow to Wide FOV Continuous
Digital Zoom	: 2x
FOV	(Wide) : 10.0° x 7.5° (Middle) : 6.0° x 4.5° (Narrow) : 2.0° x 1.5°

#### Laser Range Finder Specifications

Type	: Class 1, Eye safe
Range	: 100m-20,000m $\pm$ 5m
Pulse per Minute	: 20 ppm

#### System Specifications

Positioning	: GPS
Digital Magnetic Compass	: High Accuracy
Video Output	: PAL

#### Environmental Conditions

- Operating Temperature : -30°C, +50°C
- Storage Temperature : -40°C, +60°C
- Standard : MIL-STD-810 G

#### Optional Accessories

- 1.5x Magnification Objective
- High Capacity Battery and Charger