

DRAGONEYE

ELECTRO-OPTIC SENSOR SYSTEM

MID-WAVE SENSOR

HD COLOR TV

CONTINUOUS ZOOM (IR AND DAY)

INTEGRATED LRF, DMC AND GPS

NETWORK ENABLED

AUTO TARGET-TRACKER

STILL IMAGE CAPTURE/ VIDEO RECORD





DRAGONEYE

ELECTRO-OPTIC SENSOR SYSTEM

Applications

- Border Surveillance
- Coastal Surveillance
- Reconnaissance
- Situational Awareness
- Long Range Surveillance
- Law Enforcement

Main Features

- Continuous optical zoom
- Digital video outputs
- Automatic Motion Detection
- Automatic image optimization and image enhancement
- Coordinates of target are calculated in real time
- Advanced User Interface

Environmental Conditions

- Operating Temperature : -32°C to +55°C
- Storage Temperature : -40°C to +65°C
- Environmental Spec : MIL-STD-810 G

Accessories

- Motorized Pan&Tilt
- Toughbook
- External Battery
- Battery Charger
- Tripod
- AC/DC Converter
- Lens Cover
- Optical Cleaning Kit
- Carrying Case
- Transportation Case
- Cable Set
- Monitor

Technical Specifications

Thermal Imager

- Sensor : Cooled, 640 x 512 (3-5 μ m)
- Cool-down Time : < 7 min (@23°C)
- E-zoom : x2
- Gain/Brightness Control : Automatic or Manual
- Focus : Automatic or Manual
- Different Lens Versions : x1, x2

		X1	X2
Field of View	NFOV	1.8°x1.44°	0.9°x0.7°
	MFOV	10°x8°	5°x4°
	WFOV	30°x24°	15°x12°
	continuous Zoom Lens	OK	OK

Laser Range Finder

- Class 1, Eye safe : 1.54 μ m
- Range : Up to 20 km
- Accuracy : 5m rms

HD-Color TV

- Sensor : CCD or CMOS
- Field of View : 3 Preset FOV
: Continuous from NFOV to WFOV
- E-zoom : x12

Digital Magnetic Compass

- Accuracy : 3° rms

GPS

- Accuracy : 15 rms
- Resolution : 1 mil (0.05625°)

Power Interface

- Power Input : 18V-33V

Video Interface

- Digital : Ethernet, HD-SDI

Communication Interface : RS-422, 1000 Ethernet

Size and Weight

- Size (width x length x height): 27cm x 41.5 cm x 21.5 cm (Sensor Unit)
- Weight: Less than 20 kg (Sensor Unit)

