

# DORUK

HAND-HELD ELECTRO-OPTIC SENSOR

HIGH RESOLUTION MID-WAVE SENSOR  
CONTINUOUS ZOOM (IR AND DAY)  
INTEGRATED LRF, DMC AND GPS  
DATA AND IMAGE STORAGE  
MIL-STD-810G QUALIFIED  
COMBAT PROVEN DESIGN  
COMPACT AND RUGGED DESIGN





# DORUK

## HAND-HELD ELECTRO-OPTIC SENSOR

### Applications

- Border Surveillance
- Reconnaissance
- Fire Support
- Situational Awareness
- Special Forces
- Law Enforcement

### Main Features

- Polarity: Black-hot, White-hot, color palettes
- Motorized focus, FOV and zoom adjustment
- Automatic image optimization and image enhancement
- Real time calculation of target coordinates
- Target coordinate transmission via radio
- Data and image storage
- Easy battery change
- Shuttered eyecups
- High resolution OLED display

### Standard Accessories

- Tripod with Manual Adjustment Unit
- External Video Cable
- Rechargeable Batteries
- Battery Charger
- External AC/DC Adapter
- Eyecup
- Lens Cover
- Optical Cleaning Kit
- Carrying Case
- Transportation Case

### Optional Accessories

- Pirate – Head Mounted Display
- Motorized Pan-Tilt
- Remote Control Unit
- 1.5x Magnifier Objective
- Goniometer
- Sun Shield

### Technical Specifications

#### Thermal Imager

- Sensor : 640x512 MWIR (3-5  $\mu$ m)
- Cool-down Time : <7 min.
- Field of View : WFOV : 16.8° x 13.5°  
MFOV : 6° x 4.8°  
NFOV : 2° x 1.6°  
Continuous from NFOV to WFOV
- E-Zoom : 2x

#### Laser Range Finder

- Laser Type : Class 1, Eye Safe, 1.54  $\mu$ m
- Range : <20 km
- Accuracy : 5m rms

#### Color TV

- Sensor : 1920 x 1080 Full HD CMOS
- Field of View : WFOV : 16.8° x 12.6°  
MFOV : 6° x 4.5°  
NFOV : 2° x 1.5°  
Continuous from NFOV to WFOV
- E-Zoom : 12x

#### Digital Magnetic Compass

- Accuracy : 1° rms

#### GPS

- Accuracy : 15 rms

#### Physical

- Weight :  $\leq$ 4.2 kg (with battery)
- Battery Life :  $\geq$ 4 hours
- Dimensions : 275 mm x 270 mm x 125 mm

#### Environmental Conditions

- Operating Temperature : -30°C to +55°C
- Storage Temperature : -40°C to +65°C
- Environmental Spec : MIL-STD-810G