

DORUK-2

HAND-HELD ELECTRO-OPTIC
SENSOR SYSTEM

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





DORUK-2

HAND-HELD ELECTRO-OPTIC SENSOR SYSTEM

Applications

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

Main Features

- Motorized focus, FOV and zoom adjustment
- Automatic image optimization and image enhancement
- Coordinates of target are calculated in real time
- 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
- X1.5 Magnifier Objective
- USB

Technical Specifications

Thermal Imager

- Sensor : 640x512 MWIR (3-5 μ m)
- Cool-down Time : <5.3 min.
- Field of View
 - WFOV : 22° x 17,6°
 - MFOV : 6° x 4,8°
 - NFOV : 2° x 1,6°
 - Continuous from NFOV to WFOV
- E-Zoom : X2, X4

Laser Range Finder

- Class 1, Eye Safe, : 1.54 μ m
- Range : <15 km
- Accuracy : 5m rms

Color TV

- Sensor : ¼ Color CCD
- Field of View
 - WFOV : 22° x 12,37°
 - MFOV : 6° x 3,37°
 - NFOV : 2,7° x 1,51°
 - Continuous from NFOV to WFOV
- E-Zoom : X12

Digital Magnetic Compass

- Accuracy : 1° rms

GPS

- Accuracy : 15 rms

Physical

- Weight : \leq 3,15 kg (with battery)
- Battery Life : \geq 5 hours
- Dimensions : 255 mm x 235 mm x 120 mm

Interfaces

- USB (Image & Video download)
- Wi-Fi, RS-422, Ethernet

Environmental Conditions

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

