

TWS-4H

UN-COOLED THERMAL WEAPON SIGHT



Description

TWS-4 is part of a family of new compact and lightweight thermal weapon sights utilizing the latest low power un-cooled IR camera technology.

TWS-4 ability to shoot equally well both day and night provides enhances mission performance. Compact and lightweight the TWS-4 designed specifically to spot personnel and equipment at greater ranges, adding a critical margin to survivability and lethality.

System Features

- Lightweight, Rugged, Humidity Protected
- Highly reliable
- Fire Control System - Electronic Reticule Adjustment
- Smart Program – User Friendly Menus
- Un-cooled System for silent operation
- Low battery indicator
- Advanced Picture Processing
- Low - Consumption Electronics
- Low Weight and Compact
- External Video output

Mission Dedicated

- Handheld Monocular
 - Navigation
 - Observation
- Weapon mounted
 - Short to Mid ranges Rifle Scope
 - Night and Day operation

Technical Specification

- FPA Sensor: Un-cooled, 384 x 288 micro-bolometer
- Spectral Sensitivity: 7 to 14 microns
- Field of View: 5.5° X 4.1°
- Magnification: 3.6X Optical
- Man Size Detection: 850m
- Man Size Target Identification: 500m
- Target Recognition: 250m
- Weight (Incl. batteries): 1.7 kg.
- Dimensions (mm): 290L x 105H x 110W
- Eye Piece: Diopter adjustment ± 4
- Focus Range: 10 meters to infinity
- Reticules: 2 types (or as per customer requirements)
- Reticule Calibration / Zeroing: Electronically GUI
- Windage & Elevation: ± 15 mrad
- Mounting: Adaptors for major International platforms
- Battery Type: Four (4) CR-123 Batteries
- Battery Operation time: 4 hours minimum, Low Battery display
- Display: OLED Viewfinder
- Video Interface: RS-170, 8 bit digital (CCIR, 8 bit digital optional)
- Controls: On / Off / Menu buttons/Calibration

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