

OE-TWS

Thermal Weapon Sights



KEY FEATURES:

- / HIGH-PERFORMANCE, AUTO-NUC SHUTTERLESS, SILENT FPA**
- / ERGONOMIC, USER-FRIENDLY KEYPAD**
- / SMOOTH AND PRECISE FOCUS ADJUSTMENT**
- / COMFORTABLE EYEPIECE WITH LONG EYERELIEF**
- / ITAR-FREE SYSTEM**
- / AMOLED DISPLAY**
- / MULTI-USE MIL-STD-1913 SIDE MOUNTING BRACKET**
- / RUGGED HOUSING**
- / OPTIONAL: BUILT-IN WITH MICROSD CARD**

OE-TWS, is a rugged, lightweight and Powerful Thermal Weapon Sight with a quick release, for military and law enforcement use. OE-TWS, is ideal for long-range human target detection in distance of up to 2.5 km, as well as reconnaissance and surveillance, perimeter security, wildlife observation and control, and a wide variety of other applications. While night vision technology relies on amplification of ambient light or assisting illumination, thermal devices are completely passive, sensing extremely minute temperature differentials. The rugged thermal sight combines a highly sensitive Detector with real-time image processing and lightweight, waterproof housing. Sensitive not less than 50mK, the detector's 8-12 μ m spectral response ensures the widest possible thermal coverage.

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SPECIFICATIONS

MODEL	OE-TWS-25	OE-TWS-50	OE-TWS-75	OE-TWS-100
OBJECTIVE LENS	25MM, F/1.0	50MM, F/1.0	75MM, F/1.3	100MM, F/1.3
SPECTRAL RESPONSE	8-12 μm	8-12 μm	8-12 μm	8-12 μm
F.P.A. FORMAT	384X288 640X480	384X288 640X480	384X288 / 640X480	384X288 / 640X480
PIXEL SIZE	17 μm	17 μm	17 μm	17 μm
THERMAL SENSITIVITY	<60Mk <50Mk	<60Mk <50Mk	<60Mk / <50Mk	<50Mk
REFRESH RATE	50Hz	50Hz	50Hz	50Hz
OPTICAL MAGNIFICATION	1.5X 1X	3X 2X	4.5X / 3X	6X / 4X
FIELD OF VIEW	14.9°X11.2° 24.5°X18.5°	7.5°X5.6° 12.4°X9.3°	5.0°X3.7° / 8.3°X6.2°	5.0°X3.7° / 8.3°X6.2°
MAGN. TOTAL WITH DIGITAL ZOOM	1X, 2X, 4X	1X, 2X, 4X	1X, 2X, 4X	1X, 2X, 4X
DIOPTERS ADJUSTMENTS	-6 TO +4	-6 TO +4	-6 TO +4	-6 TO +4
CONT. OPERATION TIME	UP TO 7 HOURS	UP TO 7 HOURS	UP TO 7 HOURS	UP TO 7 HOURS
DIMENSIONS (MM)	140 X 60 X 59	172 X 60 X 60	193 X 66 X 66	230 X 85 X 85
WEIGHT (GR)	365	475	525	750
POWERED BY	2X CR123 (LI./RECHARGEABLE)	2X CR123 (LI./RECHARGEABLE)	2X CR123 (LI./RECHARGEABLE)	2X CR123 (LI./RECHARGEABLE)
DETECTION: HUMAN (M)	830	1660	2500	3330
DETECTION: IDLING CAR (M)	1130	2250	3380	4500