IDENTIFIER 60

OPTIX
Identifier 60

The thermal sight **IDENTIFIER-60** is the special operations, military and law enforcement professionals' choice to enhance operational effectiveness and precision.

REGULAR IMAGE

This all-weather thermal imaging device cuts through battlefield and environment obscurants to deliver crisp surveillance imagery and enables operatives to make quick decisions, enhancing mission effectives, maximizing operational capabilities, and improving officer safety.

THERMAL IMAGE

IDENTIFIER-60 relies on proven advanced microbolometer technology mounted in high-durable anti-reflex coated housing to withstand the difficult military actions. This technology provides state-of-the-art thermal sensitivity and superb dynamic range.

The extended range performance up to 2760 m is ideal for complex combat situations and most sniper applications. The dedicated BH/WH (black hot/white hot) toggle button gives the operator greater capabilities to detect more details depending on the scene contrast temperature.

The video output port and the serial communication interface of the **IDENTIFIER-60** enable remote operation and provide video signal for external viewing or recording, ideal for extended detection missions, surveillance or military training. The simple intuitive control offers easy operation and fast fielding. The compact ergonomic multi-use design affords mission flexibility for use as a thermal weapon sight, mounted on tripod or as rugged hand-held thermal imager for a variety of surveillance, intelligence and covert operations. The ultra-portable design reduces user fatigue.

The integrated eye-guard with auto-shutter function eliminates the risk of operator exposure by preventing light emission from the viewfinder.

A selection of exchangeable reticle designs with digital windage & elevation correction capability maintains high-precision boresight. MIL-STD-1913 Picatinny mounting provides compatibility to a wide range of assault rifles and light machine guns and user needs (e.g. left- and right-handedness).

IDENTIFIER-60
TECHNICAL PARAMETERS

SENSOR (FPA)
Material Microbolometer
Spectral range 7 ÷ 14 µm
Resolution 384 x 288 pixel array
Frame rate 25 Hz (PAL) / 30 Hz (NTSC)
Pitch size 25 µm
NUC Automatic / Manual
Polarity White hot / Black hot
Contrast / Brightness Automatic / Advanced Image Processing
NETD < 50 mK
Spatial resolution (IFOV) 0.4 mrad

OBJECTIVE
Focal length 60 mm
Optical magnification x3

FUNCTIONAL CHARACTERISTICS
FOV 9.2°(H) X 6.9°(V)
Digital zoom x2, x4
Electronically adjustable aiming reticle Yes
Reticle type According to customer specifications
Adjustment per step 2 cm / 100 m
Analog video output CCIR (PAL) or RS-170 (NTSC)
Eye relief 65 mm
Start-up time < 5 s
Battery 4 x CR123A Li-Ion rechargeable
Battery life More than 4 hours continuous
Auxiliary power 9 ÷ 30 V DC, 110 / 220 V AC
Work temperature range -25°C to +55°C
Storage temperature range -35°C to +60°C
Encapsulation IP67
Dimensions (H x W x L) w/o the eyecup 76 mm x 88 mm x 188 mm
Weight (aluminum alloy housing) 1320 g
Weight (magnesium alloy housing) 1140 g

THERMAL IMAGING PERFORMANCE
Human detection range > 1106 m
Human recognition range > 369 m
Vehicle detection range > 2760 m
Vehicle recognition range > 920 m

Operational distances are given at levels of 50% success probability and 2°C temperature difference between target and background

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