

SPECIAL
PRODUCTION



1000

QUANTUMVIEW

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OPTIX

The thermal sight technology provides the sniper 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 effectiveness, maximizing operational capabilities, and improving officer safety.

THERMAL IMAGE



IDENTIFIER-100 relies on proven advanced microbolometer technology mounted in high-durable anti-reflex coated housing to withstand the difficult military actions. This

state-of-the-art thermal sensitivity and superb dynamic range. The extended range performance up to 2740 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-100** enable remote operability 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 eyeguard 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-100 TECHNICAL PARAMETERS

SENSOR (FPA)

- Material **Microbolometer**
- Spectral range **7 ÷ 14 μm**
- Resolution **320 x 240 pixel array**
- Frame rate **25 Hz (PAL) / 30 Hz (NTSC)**
- Pitch size **30 μm**
- NUC **Automatic / Manual**
- Polarity **White hot / Black hot**
- Contrast / Brightness **Automatic / Advanced Image Processing**
- NETD **< 50 mK**

OBJECTIVES

- Focal length **100 mm**
- Optical magnification **x4**

FUNCTIONAL CHARACTERISTICS

- FOV **6°(H) X 4.5°(V)**
- Digital zoom **x2**
- Electronically adjustable aiming reticle **Yes**
- Reticle type **According to customer specifications**
- Adjustment per step **15 mm / 100 m**
- Analog video output **CCIR (PAL) or RS-170 (NTSC)**
- Eye relief **65 mm**
- Start-up time **< 5 s**
- Battery **3 x Li-Ion-18650 rechargeable**
- Battery life **More than 6 hours continuous**
- Auxiliary power **9 ÷ 30 V DC, 110 / 220 V AC**
- Work temperature range **-32°C to +60°C**
- Storage temperature range **-35°C to +75°C**
- Dimensions (H x W x L) w/o the eyecup **119.5 mm x 110 mm x 291 mm**
- Weight (aluminum alloy housing) **2250 g**
- Weight (magnesium alloy housing) **1780 g**

THERMAL IMAGING PERFORMANCE

- Human detection range **> 1670 m**
- Human recognition range **> 460 m**
- Vehicle detection range **> 2740 m**
- Vehicle recognition range **> 590 m**

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

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IDENTIFIER-100



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