

# THERMIS MK2

THERMAL

## Family of Multi-Purpose Thermal Sights

Proven uncooled IR sensor technology for superior image quality

Intuitive user control

Built-in Digital Magnetic Compass

Brightness Auto Adjustment via sensor

Customizable Reticle Libraries

Connectivity WiFi, Bluetooth

Cutting Edge Image Enhancement Algorithms



Video storage

Image capture and storage

Energy efficient (> 8 hours)

Quick start-up (< 3 seconds)

Power supply: 3 AA batteries

Ruggedized military design

State-of-the-art uncooled thermal sensor 12 $\mu$ m

SENSORS THERMIS MK2 family of uncooled Thermal Sights was developed to provide soldiers with an unrivaled day / night advantage in detecting, observing and engaging hostile targets, independent of darkness and common obscurants used for visual concealment.

Both THERMIS MK2 models are truly multipurpose and can be used either as a Clip-on, as a Stand Alone Weapon Sight, or as a Handheld Thermal Imager on any weapon platform up to 0.50" caliber. The SR is more suitable for short to medium range targeting and observation while the LR for medium to long range. An (optional) integrated LASER Pointer allows target marking for allied forces using Night Vision Goggles.

THERMIS MK2 family of sights incorporate the latest IR sensor , electronics and optical technologies to deliver world leading performance and reliability. They generate superior IR imagery, ensuring target recognition at the maximum possible range. Tailored engine design is coupled with intuitive user interface to deliver maximum range performance. Optimized control of the image processing and region-of-interest setting result in enhanced user experience. Local contrast enhancement delivers superior image quality. The built-in digital compass and inclinometer provide range estimation and target orientation.

Modern inter-connectivity options provide agile and customizable integration with a broad range of platforms (ATAK, etc.).

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## Technical Specifications

	SHORT RANGE	LONG RANGE
<b>USE</b>		
Weapon compatibility	5.56 / 7.62 mm Assault Rifles, Grenade Launchers	5.56 / 7.62 mm Assault Rifles, Grenade Launchers, 0.50" Sniper / MG
Optimum Day Scope Co-Use	Red-Dot/Reflex Sights, Magnified Sights 1-8X	Red-Dot/Reflex Sights, Magnified Sights 1-12X
<b>IR SENSOR</b>		
Spectral response	8-14 $\mu$ m (LWIR)	
Sensor Array	640 x 480 px	
Pixel Pitch	12 $\mu$ m	
<b>OPTICS</b>		
Optical Magnification	1X (Clip-on Sight)	
Digital Magnification	2X / 4X	
Field of View (HxV)	18.5°x 13.9°	8.5°x 6.4°
Focus range	2 m to infinity	
<b>WEAPON SIGHT MODE</b>		
Optical Magnification	1X	2X
Reticle Overlay	> 10 saved	
<b>FEATURES / LASER POINTER (OPTIONAL)</b>		
Digital Magnetic Compass	YES	
Display Brightness Adjustment	YES, Manual or Automatic	
LASER Wavelength	880 nm (Night Vision)	
LASER Power modes	High (Class 3B), Low (Class 1)	
<b>MICRO-DISPLAY</b>		
Type	OLED, High Brightness	
Color	Black & White or Color	
Image Video Palettes	Black-Hot, White-Hot, Outline	
<b>ELECTRONICS / CONNECTIVITY</b>		
Power Source	3 AA batteries	
Battery Operating Life @25°C	> 8 hours	
Power Up Time	< 3 s	
I/O Port	External Power, Video Out, USB2, Serial	
Wi-Fi / Bluetooth (optional)	YES / YES	
Image Storage	JPEG, > 1000 snapshots	
Video Storage	H.264	
<b>PHYSICAL CHARACTERISTICS</b>		
Color	Various color options available	
Weight	< 550 g	< 650 g
Mounting Interface	Picatinny (MIL-STD 1913)	
<b>ENVIRONMENTAL CHARACTERISTICS</b>		
Immersion	10 m	
MIL-STD 810G, MIL-STD 461E	Full Characterization	

● RECOGNITION ● DETECTION

