

# THERMIS MK2

THERMAL

## Family of Extended Range Multi-Purpose Thermal Sights

Proven uncooled IR sensor technology for superior image quality

Intuitive user control

Built-in Digital Magnetic Compass

Brightness Auto Adjustment

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 Extended Range 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 can be used either as a Clip-on, or as a stand alone Weapon Sight for Sharpshooter or Sniper Rifles or in any weapon platform up to 0.50" caliber for targeting and observation. A unibody mechanical design ensures endurance in the harshest environments.

The THERMIS Mk2 ELR & XELR sights incorporate the latest IR sensors, electronics and optical technologies to deliver field-proven performance and reliability. The in-house developed and customer-tailored electronics coupled with an intuitive user interface deliver maximum range performance. User-selectable image enhancement and region-of-interest settings result in an enhanced user experience, while automatic 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.

Rear-positioned controls accompanied by an electrical remote control and honeycomb-style reflection suppressor allow for covert operation under all conditions (optional accessories).

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## Technical Specifications

	EXTRA LONG RANGE	x EXTRA LONG RANGE
<b>USE</b>		
Weapon compatibility	5.56 / 7.62 mm Assault Rifles, Grenade Launchers, 0.50" Sniper / MG	
Optimum Day Scope Co-Use	3-25X Magnified Sights	5-50X Magnified Sights
<b>IR SENSOR</b>		
Spectral response	8-14 $\mu$ m (LWIR)	
Sensor Array	640 x 480 px	
Pixel Pitch	12 $\mu$ m	
NETD	< 60 mK	
<b>OPTICS</b>		
Optical Magnification	1X	
Digital Magnification	2X / 4X	
Field of View (HxV)	6.3°x 4.7°	5.3°x 4.0°
Focus range	5 m to infinity	
<b>WEAPON SIGHT MODE</b>		
Optical Magnification	2X	
Reticle Overlay	> 10 saved	
<b>FEATURES</b>		
Digital Magnetic Compass	YES	
Display Brightness Adjustment	YES, Manual or Automatic	
<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	< 850 g	< 1000 g
Mounting Interface	Picatinny (MIL-STD 1913)	
<b>ENVIRONMENTAL CHARACTERISTICS</b>		
Immersion	10 m	
MIL- STD 810G, MIL-STD 461E	Full Characterization	

● RECOGNITION ● DETECTION

