

# PHOENIX-S

## Thermal Imaging Clip On Long Range Sniper Sight

**PHOENIX-S** is designed for the most demanding ground-based sniper operations

**PHOENIX-S** offers unrivalled optical performance for high sensitivity during day and night conditions, even in poor visibility

**PHOENIX-S** utilizes the latest in high resolution MWIR HOT technology to provide a 640x480 resolution image compatible with a wide range of sniper scopes.

**PHOENIX-S** provides the User with 24hr extended range target surveillance, recognition and identification

**PHOENIX-S** is powered from AA Lithium batteries and features a hot swap facility to allow continuous operation.

**PHOENIX-S** provides intuitive controls and a remote control for mission tailoring on different weapon systems.



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## Thermal Imaging Clip On Long Range Sniper Sight

Designed with snipers and long range sharpshooters in mind, **PHOENIX-S** delivers battle winning capability in allowing early and rapid detection, recognition and identification of targets at extended ranges even in zero light conditions.

Utilizing the latest in MWIR HOT Technology, **PHOENIX-S** offers enhanced sensitivity with a low power architecture, powered from commercially available Lithium AA cells.

Integration with a wide range of small arms weapon systems and optical day scopes up to 25x magnification is achieved by the in line configuration of **PHOENIX-S**.

Superior boresight retention is achieved through the latest in engineering design and manufacturing practices to deliver a high performance unit.

**PHOENIX-S** is a fully digital architecture, offering a wide range of system set up and configuration options to the User accessible via a simple menu system.

### PHOENIX-S Range Performance\*:

	Man Target	Vehicle Target
<b>Detect</b>	4500m	8800m
<b>Recognise</b>	1600m	3600m
<b>Identify</b>	800m	1900m

\*50% probability, 2K temperature delta, 20 km visibility, detection @ 1 cycle, recognition @ 3 cycles, identification @ 6 cycles (STANAG 4347 criteria):

#### For technical information contact:

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## Main Features

<b>Field of View:</b> 3.0° (H) x 3.8° (V)
<b>System Optical Magnification:</b> x1
<b>Objective Focus Range:</b> 25m - Infinity
<b>Weapon Mount :</b> Picatinny / NATO rail
<b>Detector Type:</b> MWIR HOT
<b>Sensor Format:</b> 640 x 512 Pixels
<b>Pixel Size:</b> 15µm
<b>Spectral Response:</b> 3 to 5µm
<b>Frame Rate:</b> 60 Hz
<b>NETD:</b> < 25mk
<b>Time to Image:</b> <4 minutes
<b>I/O Port:</b> RS232 RS170A/CCIR, HDMI, 7 - 20V DC Input
<b>Batteries:</b> 8 x 1.5V AA Lithium Disulphide (LiFeS2) or NiMH
<b>Battery Life:</b> 6 hours continuous operation @ 25°C – Lithium Disulphide (LiFeS2)
<b>Low Battery Warning:</b> Via an icon on the internal display
<b>Weight (including lens cap, shroud and batteries):</b> <1.6Kg
<b>Dimensions:</b> <285mm (L) x 80mm (W) x 95mm (H)
<b>Accessories:</b> Interface Cable, Remote Control Unit Remote Display Unit

### Features

- 3-5µm MWIR HOT Sensor
- GPS / DMC / Orientation Sensors
- High Definition Display Output
- Excellent Boresight Retention
- Low Power Architecture
- AA Battery Operation