

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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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
Detect	4500m	8800m
Recognise	1600m	3600m
Identify	800m	1900m

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



Main Features

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

For technical information contact:

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