

# PHOENIX-H

TELEDYNE

Teledyne Qioptiq

Aerospace & Defense Electronics

03  
COOLED  
RANGE

## Multi-Function Surveillance & Target Location System

**PHOENIX-H** is the latest multi-spectral Surveillance and Target location device from Qioptiq.

PHOENIX-H is a long range high-performance sight providing 24hr surveillance and target location capability delivered within a rugged platform. PHOENIX-H is designed for reliable continuous operation in dismounted combat conditions.

### Package

- PHOENIX-H Surveillance Sight
- Lens Cap and Eyecups
- Transportation Case and Field Pouch
- Operator Manual
- Lens Cleaning Kit

### Options

- Interface cable
- Remote Control



ITAR  
FREE

AA+  
X8

10km

22km

VGA  
15µm

LRF

# PHOENIX-H

## Multi-Function Surveillance & Target Location System

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### Optical Parameters – Thermal Imager

Horizontal Field of View:	2° NFOV – 16° WFOV
Magnification:	x12 NFOV – x1.5 WFOV
Focus Range:	25m to infinity

### Sensor – Thermal

Waveband:	Medium Wave IR
Resolution:	640 x 512
Pixel Pitch:	15µm
Time to Image:	< 4 minutes

### Optical Parameters – Visible Channel

Horizontal Field of View:	2° NFOV – 12° WFOV
Magnification:	x12 NFOV – x2 WFOV
Focus Range:	25m to infinity

### Sensor – Visible

Waveband:	Visible
Resolution:	1280 x 960
Pixel Pitch:	3.75µm

### Positional and Targeting

On Board Sensor:	Digital Magnetic Compass
	Attitude and Heading Reference System
	Global Positioning System
Targeting Module:	Ballistic Calculator
Laser Range Finder:	1550nm Class 1
	10 km range
Laser Pointer	NIR Class 1 / Class 3B Switchable

### Connectivity

I/O Interface Port:	External Power
	Composite Video
	USB Digital Video
	Remote Control Interface
	Serial Communication for peripheral devices
	Wi-Fi Direct
	ATAK compatibility

### Finish

Various paint colours available

### Power

Battery Type:	8 x 1.5V LiFeS2 AA
Battery Lifetime:	> 5 hours @ 21°C
Battery Compartment:	Hot Swap Enabled

### Nominal Size and Weight

Mass:	< 3 kg
Length:	260 mm
Width:	240 mm
Height:	115 mm

*Excludes batteries, lens cap and accessories*

### Media and Storage

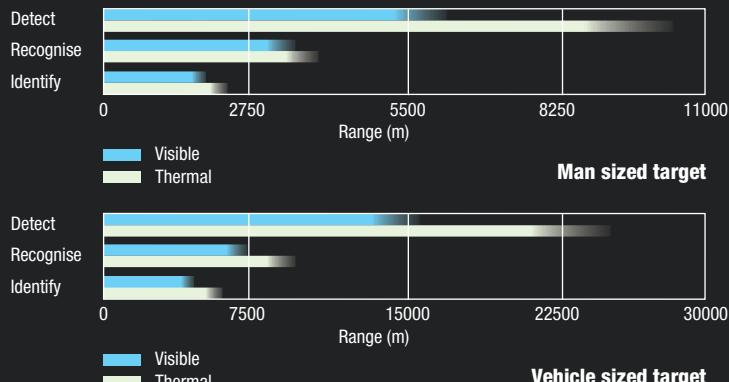
Media Storage:	Removable Storage
	On Board System Storage
	Image and Video Capture

### Environmental

#### Complies with Military Standards

Def Stan 00-35
Def Stan 59-411
MIL-STD-810
MIL-STD-461

### Range Performance



#### For technical information contact:

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