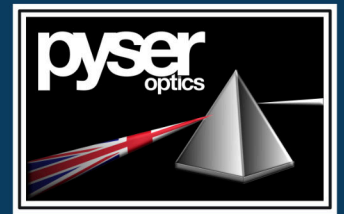


# GEMINI HD



## THERMAL IMAGING SIGHT



### *HD Thermal Imaging for Combat Units*

Designed, developed and manufactured by Pyser Optics, the dedicated short to medium range thermal sight is a compact, lightweight and high performance solution. Two standard "AA" batteries enable up to 4 hours continuous operation. High quality infra-red optics provide maximum image quality and resolution, with the entire product purged and filled with dry nitrogen, for ultimate reliability in all operating theatres. The thermal sight can be deployed on all small arms in calibres 4.6mm, 5.56mm, 7.62mm and 9mm.

- 25mm, 35mm, 50mm and 75mm IR Objective lenses
- For 24 hour use
- Electronic zoom x2 and x4
- 640x480 definition and PAL AV
- High definition (640 x 480)
- Compact and lightweight
- Flexible and versatile mounting
- Different lenses options to suit application
- Non ITAR

All GEMINI models are delivered in protective pouches with fully illustrated operating instructions.

# TECHNICAL SPECIFICATIONS

## Optics

High quality IR objective lenses, fully coated eyepiece optics

**Dioptre adjustment:** -6 to +3 minimum  
**Eyepiece lens:** 25mm glass aperature  
**Eye relief:** 27mm

## Controls

**Menu:** On/off, polarity white/black hot, contrast enhancement, electronic zoom 1x, 2x and 4x ratio, screen brightness  
**Input/Output:** Single multi pin socket for: PAL video out for recording or transmission. External power via battery power module.

## Electrical

**Power source:** 2 x AA lithium batteries (gives up to 4 hours continuous operation)

## Thermal Image

**Detector:** Amorphous Silicon Microbolometer  
**Core:** 640x480 pixel array high-definition  
17 micron pixel pitch  
Video rate 30 Hz  
**Display:** OLED 852 x 600 pixels SVGA monochrome 35°  
apparent image horizontal angle of view

## Physical

Model	Length*	Height	Width	Weight (without batteries)
25mm:	135mm	91mm	79mm	460g
35mm:	135mm	91mm	79mm	460g
50mm:	173mm	91mm	79mm	593g
75mm:	188mm	91mm	89mm	682g

\* Excluding eyepiece

## Environmental

**Ingress:** IP68 Nitrogen filled  
**Temperature:**

- Operation: -20°C to +55°C
- Storage: -40°C to +65°C

All specifications and designs correct at the time of publishing but may change in the future for product upgrade and improvements.

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All goods are supplied under our standard conditions of trade

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