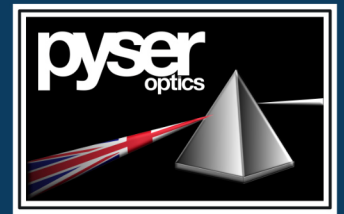


GEMINI



THERMAL IMAGING SIGHT



HD Surveillance Thermal Imaging

Designed and manufactured by Pyser Optics, the GEMINI HD Thermal Monocular is a compact, lightweight and high performance monocular product.

GEMINI HD features a robust aluminium main body with a rear centre of mass that minimises neck strain during prolonged operations, with two AA batteries enabling up to 4 hours continuous operation. High quality infra-red optics and innovative technology provide maximum image quality and resolution, the entire monocular product is purged and filled with dry nitrogen for ultimate reliability in all global operating theatres.

Options include anti-mist filters and adaptors for attaching instantly to camcorders, DSLR cameras and CCTV cameras for total darkness and covert surveillance.

- 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.

Export of this product from the UK is controlled under U.K. Export Licence Regulations.

All goods are supplied under our standard conditions of trade

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