

armstrong optical

IR16X range of thermal imaging rifle sights



Offering the ability to operate in total darkness, the IR16X range of thermal imaging rifle sights are available with a range of performance capabilities with either 160x120 or 384x288 pixel arrays and a choice of lenses.

The hermetic sealing and gas-filled military standard housing protects against damage from moisture, rain, chemical corrosion, smoke and dust, impurity and sand.

Control is achieved with the four-button keypad or built-in serial interface. This includes remote control of brightness/contrast of image, electronic zoom, image polarity, calibration etc.

Technical Specification

Detector

Detector material	Uncooled FPA microbolometer
Spectral Range	8 -14 μ m
Array	160 x 120 (25 μ m pitch) or 384 x 288 (35 μ m pitch)

Imaging Performance

OLED viewfinder	852 x 600 pixels
Display	12.8 x 9mm, 256 level gray
Lenses	50mm, 83mm, 105mm
Spectral Range	7.5 -13 μ m
Focusing Range	1m to ∞

Image Presentation

Video Output	PAL
Frame Rate	50Hz
Electronic Zoom	x2
Adjustments	Auto/Manual brightness and contrast
Polarity	Black/White hot
Electronic Reticle	Half pixel correction

Power System

AC/DC adapter	DC5V
Rechargeable Li-ion battery	DC4.2V
Power	2.6W
Battery Operating Time	8 hours

Environmental Specification

Operating	-40 to +60°C
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