

armstrong optical

Portable Handheld Thermal Viewer IR512+

Backed by world-class IR thermal vision technology, the **IR512+** provides for enhanced thermal imaging in total darkness over extended distances. Rugged and easy to use, it enables swift detailed imaging, provides superior reliability and enhances security for either mobile or fixed applications.



Versatile & portable

- The compact and portable design makes it perfectly suited to either mobile or fixed, day or night detection and surveillance.

Easy to use

- Four buttons carry out all the orders to operate the camera. Automatic gain and offset controls enable high quality imaging from switch-on.

Crisp & sharp imaging

- With a thermal sensitivity of 80mK, the camera is able to detect and capture extremely small temperature differences in high-resolution, crisp 16-bit thermal images. Automatic non-uniformity calibration at regular intervals keeps image noise-free even after extended operation.

Accurate long-range detection

- Incorporating a state-of-the-art FPA detector and advanced optics, the camera can track vehicles at distances greater than 3 km through smoke or fog. 2x and 4x electronic zoom enhances further the surveillance capability.

Plug-and-play compatibility

- Standard video, power and serial communication interfaces enable the camera to work with standard video displays, external power supplies and remote control keyboards. There is no need to invest in a different infrastructure.

License free & rapid delivery

- Since the system Utilises a European microbolometer FPA detector, the camera is without export or import license restriction, which significantly improves delivery time to our customers.

System Specification

Detector type:	Uncooled FPA microbolometer 320x240 pixel
Spectral range:	8 - 14 μm
Field of view:	9 x 6.8 degrees (90mm f/1.0 lens)
Thermal sensitivity:	80mK at 30°C
Gain & offset:	Auto or manual control
Electronic zoom:	x2, x4 interpolating
Image presentation	
Video output:	PAL/NTSC/composite video
Integrated display:	CRT viewfinder
Image colour:	B&W, W&B, multiple colours (9 palettes available)
Power system	
Battery type:	7.2V rechargeable Li-ion battery
Operating duration:	2hrs continuous
External power:	AC adapter 110/220VAC, 50/60Hz
Environmental specification	
Operating temperature:	-40 to +50°C
Storage temperature:	-40 to +60°C
Humidity:	Operation & storage 10-95%, non-condensing
Shock:	GJB
Vibration:	GJB
Physical characteristics	
Weight:	2kg
Dimensions:	232 x 103 x 126mm
Tripod mount:	1/4" – 20

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