

armstrong optical

Portable Handheld Thermal Viewer GUIDIR® IR519



Backed by the world class IR thermal vision technology, the IR519 allows for complete visibility in total darkness over long distance. Rugged and easy to use, it enables swift detailed imaging, provides superior reliability and enhances security for either mobile or static applications. It is the industry standard for security professionals, law enforcement agencies and safety departments.

Versatile & portable

Compact and portable design makes it perfectly suited to either mobile or static, day or night detection and surveillance.

Easy to use

Four buttons carry out all the orders to operate the camera. Automatic gain and offset control enables you to get high quality images from switch-on.

Crisp & sharp imaging

With a thermal sensitivity of 0.08°C, the camera detects and captures extremely small temperature differences in high-resolution, crisp 16-bit thermal images. Automatic non-uniformity calibration at regular intervals keeps images 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. The 2x and 4x electronic zoom enhances further the identification ability.

Plug-and-play compatibility

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

Specification

Imaging Performance	
Detector Type	Uncooled FPA microbolometer 384× 288 pixels, 35µm
Spectral Range	8 -14 µm
Field of View	8.5°× 6 .4°
NETD	≤80mK
Gain & Offset	Auto & manual control
Electronic Zoom	×2, ×4 by interpolating
Image Presentation	
Video Output	PAL or NTSC, composite video
Integrated Display	OLED viewfinder
Image Color	B& W, B& W inverse, (pseudo color optional)
Power System	
Battery Type	7.2V rechargeable Li-ion Battery
Battery Operating Time	2 hours continuous operation
External Power Operation	AC adapter 110/ 220VAC, 50/ 60 Hz
Environmental Specification	
Operating Temperature	-20°C - +50°C (-40°C - +60°C optional)
Storage Temperature	-40°C - +60°C
Humidity	Operating and storing 10% to 95%, non-condensing
Shock	GJB
Vibration	GJB
Physical Characteristics	
Weight	2.0 Kg
Size	232mm× 103mm× 126mm
Tripod Mounting	1/4"-20

armstrong optical

Armstrong Optical Ltd., 31 Caxton House, Northampton Science Park, Northampton NN3 6LG, United Kingdom
Tel: +44 (0) 1604 654220 Fax: +44 (0) 1604 654221
Email: info@armstrongoptical.co.uk Web: www.armstrongoptical.co.uk