

armstrong optical

IR529 Handheld Bi-ocular Thermal Imager



The **IR529** combines a 384x288 pixel sensor with a 140mm, f/1.1 lens with motorised zoom, GPS and electronic compass to provide long range target observation system that is able to operate in even the worst of weather conditions.

When coupled with a laser rangefinder the system is able to supply range, direction and location information for personnel at ~2.5km and vehicles ~3.5km.

The dual OLED eyepieces make for comfortable use and the lightweight, compact and ruggedised design ensures that the **IR529** will survive most activities and become an invaluable tool for image capture and target observation.

Imager:

Detector type Uncooled FPA
Spectral range 8 - 12 μ m
Sensor size 384x288 pixels
NETD \leq 80mK

Optics:

Focal length/ f# 140mm f/1.1
Field of view 5.5° x 4.1°

Image presentation:

Video output PAL/NTSC, 50/60Hz
Brightness/contrast Auto/manual
Polarity White hot/ black hot
Electronic zoom X2
Image display 2x OLED viewfinders

Interfaces:

Video output Analog composite video
Power input from adapter

Power:

Power supply 240V AC adaptor
Battery 7.2V Li-ion
Operating duration 3hrs continuous

Environmental specification:

Operating temperature -20°C to +50°C
Storage temperature -40°C to +60°C
Humidity 10-95% N/C

Physical:

Size 290 x 140 x 144mm
Weight 2kg
Tripod mounting 1/4" - 20