

armstrong optical

IR516 thermal imaging & surveillance system



With its compact appearance, ease of operation and high performance, the **IR516** offers a reliable solution for long range passive on-line surveillance and sheltered security monitoring.

The durable and airtight housing protects it against damage from rain, sand, dust and allows the camera to operate normally under any harsh environment.

The 4th generation uncooled focal plane array detector combined with state-of-art electronics and optics, enables the **IR516** to obtain perfect infrared images, penetrating through haze, smoke, rain, snow and darkness.

- Long range detection enabled by 150mm aspheric lens
- Total waterproof
- Rugged, compact and easy-to-operate
- Built-in shutter ensures round-the-clock working
- Tripod mount
- Control via handset or remote PC

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Image Performance

Detector Type:	Microbolometer UFPA (384 x 288 pixels, 35 μ m)
Spectrum Range:	8-14 μ m
F-o-V/ Min focus distance:	5.5°x4.1° /150mm
Spatial Resolution (IFOV):	0.3mrad (IFOV)
Thermal Sensitivity:	0.08°C at 30°C
Image Frequency:	50Hz PAL/ 60Hz NTSC, non-interlaced
Focus:	Motorized
Electronic Zoom:	x2, x4

Image Presentation

Image display:	Black/ white (pseudo color optional)
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Environmental Specification

Operating Temperature:	-20 to 50°C, -40 to 60°C optional
Storage Temperature:	-40 to 60°C
Encapsulation:	IP54

Interfaces

Communication:	RS422
Video Output:	PAL/ NTSC composite video
AC power supply:	AC adapter, 110/220V, 50/60Hz