

# armstrong optical

## IR600 Long Range Thermal Camera



The **IR600** long range thermal imaging camera offers a cooled high resolution 320x256 pixel sensor with a 22/150/600mm switched field lens with motorised focus allowing wide field searches and ultra-long range surveillance within a single camera system.

The **IR600** is ideal for fixed observation such as border control, coastal surveillance, industrial site coverage and the monitoring of high value installations and is able to operate in all weathers, not being blinded by rain, snow fog or smoke, and needing no external illumination. The narrow field of view (NFOV) detection range for a vehicle is >12km.

### Imager:

Detector type	Cooled HgCdTe FPA
Spectral range	3 - 5 $\mu$ m
Sensor size	320x256 pixel
NETD	$\leq$ 15mK

### Optics:

Focal length/ f#	22/150/600mm f/4
Field of view	WFOV 24.6° x 19.8° MFOV 3.67° x 2.93° NFOV 0.92° x 0.73°

### Image presentation:

Video output	PAL, 50Hz
Brightness/contrast	Auto/manual
Polarity	White hot/ black hot
Electronic zoom	X2

### Power:

Power supply	220V AC
Power consumption	<29W
Interfaces	RS422

### Environmental specification:

Operating temperature	-40°C to +60°C
Storage temperature	-40°C to +60°C
Encapsulation	Hermetic sealing

### Physical:

Size	405 x 304 x 215mm
Weight	14.2kg