

armstrong optical

IR212/213 Security Monitoring IR camera



The **IR212/213** is formatted around a 160x120 pixel sensor with either a 13mm or 6.9mm lens and PTZ system and has been designed as a replacement for many CCTV cameras where observation in complete darkness and adverse weather conditions make visible imaging difficult or impossible to use.

The systems can be used at either a fixed or mobile location and are able to provide detection of persons at a range of 0.4km.

The passive nature of the **IR212/213** makes it ideal for use for the protection of sensitive or high value locations such as government buildings, nuclear installations, chemical plants, ports and airports.

Thermal Camera:

Detector type	Uncooled FPA
Spectral range	8 - 12 μ m
Sensor size	160x120 pixels
NETD	\leq 100mK
Video output	PAL/NTSC, 50/60Hz
Brightness/contrast	Auto/manual
Polarity	White hot/ black hot
Electronic zoom	X2, X4

Pan/tilt unit:

Azimuth angle	0° – 355°
Pitch angle	-90° - +6°
Max load	10kg
Angular velocity	7°/s (A), 6°/s (P)

Interfaces:

RS422	For control from PC
Video	Standard analog signal

Optics:

Focal length	13mm	or	6.9mm
Field of view	18°x13°		33°x25°
Power requirement	110/220V AC		
Power consumption	4W		
Dimension	169 x 82.5 x 99.8mm		
Weight	0.94kg		

Power requirement	24V AC
Power consumption	30W
Dimension	189 x 169 x 222mm

Environmental specification:

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