

armstrong optical

Thermcore-SIM_{Series} thermal imaging cameras



The **Thermcore-SIM_{Series}** thermal imaging cameras combine an infrared 384x288 pixel sensor with a selection of top of the range high performance lens systems making it an ideal choice for OEM integration into pre-existing CCTV networks adding a covert 24/7 alternative to IR illumination.

The **Thermcore-SIM_{Series}** is able to penetrate smoke, haze, fog, rain and total darkness and offers users unparalleled surveillance capability for ports, borders, customs, forest fire detection, warehouse security and a multiplicity of key operations.

Thermal Camera:

Detector type	Uncooled FPA
Spectral range	8 - 12 μ m
Sensor size	384 x 288 pixels
NETD	<0.1°C at 25°C
Video output	PAL/NTSC, Full 50/60Hz
Brightness/contrast	Auto/manual
Colour palettes	9, plus invert

Thermal Optics:

Focal length	f/#	Field of View
8mm	0.8	61.9° x 48.5°
13mm	1.0	40.5° x 30.9°
25mm	1.0	21.7° x 16.4°
40mm	1.0	13.7° x 10.3°
75mm	1.0	7.3° x 5.5°
100mm	1.1	5.5° x 4.1°
150mm	1.0	3.7° x 2.7°

Image Processing

Digital zoom	2X, 4X
Image enhancement	in camera
Delta -T alarm	End-user set

Power/physical

Power requirement	12V DC / 24V AC
Power consumption	<5W
Dimension	71 x 60 x 82mm w/o lens
Weight	360gm w/o lens

Interfaces:

RS232/422/485	For control from network
Video	Standard analog signal
Control protocol	PELCO-D

Environmental specification:

Operating temperature	-20°C to +60°C
Working environment	Interior or external
Humidity	5% - 95% non condensing