

## Entry-level infrared safety monitoring system

The extremely affordable SF-series is highly compatible, employing the security industries' standard interfaces for power and video connections, different lenses and holder options are available to suit specific requirements. The design of the SF-series guarantees round-the-clock safety monitoring with a smooth, high frequency image, even in the harsh environments. The image is further enhanced digitally to ensure properly contrasted thermal images in all weather conditions. Applications covered from industrial monitoring to city or port security monitoring.

### Features and Benefits

- Rich image processing functions
- HD passive infrared video
- Maximum or minimum temperature alarm
- Standard interface
- Various lenses and pan-tiltoptions



### Applications

- Building and industrial safety monitoring
- Border security and surveillance
- Sea port, airport and train station monitoring
- Warehouse fire early warning systems



# Specifications

Detector								
Detector Material	UFPA microbolometer, Asi							
Resolution	384 x 288, 25um							
Spectral range	8 μ m ~ 14 μ m							
NETD	≤80mk @30°C							
Lens								
Focus	8mm	13mm	25mm	40mm	75mm	100mm	150mm	
F#	0.8	1.0	1.0	1.0	1.0	1.1	1.0	
FOV	61.9° × 48.5°	40.5° × 30.9°	21.7° × 16.4°	13.7° × 10.3°	7.3° × 5.5°	5.5° × 4.1°	3.7° × 2.7°	
Man 1.8m × 0.5m	Detection	161m	261m	502m	803m	1505m	2007m	3011m
	Recognition	40m	65m	125m	201m	376m	502m	753m
Vehicle 2.3m × 2.3m	Detection	442m	718m	1380m	2208m	4140m	5520m	8280m
	Recognition	110m	179m	345m	552m	1035m	1380m	2070m
Image								
Video output	Analog video: PAL (25Hz) NTSC (30Hz);							
Digital Zoom	2 x , 4 x							
Image Enhancement	DDE Image filtering and sharpening function							
Brightness and Contrast	Auto/manual adjustment							
Palettes	9 palettes: B&W; B&W inverse, Blue-Red, Ironbow, Rainbow, High Contrast, Hot Metal, Amber, Amber Inverted							
Interface								
Interface Type	Power input, BNC and RS485							
Pan-tilt (optional)								
Azimuth angle	0° ~ 355° ; 7.5° /S			0° ~ 360° ; 0.01° ~ 30° /S				
Pitching angle	-90° ~ +6° ; 6° /S			-90° ~ +90° ; 0.01° ~ 15° /S				
Power								
Power input	AC24V (with PTZ), DC 12V (without PTZ)							
Power consumption	AC24V/ 100W(with PTZ) ; DC 12V/ 25W (without PTZ)							
Environmental parameters								
Operating temperature	-10° ~ +50°							
Storage temperature	-20° ~ +60°							
Humidity	5% ~ 95%, non-condensation							
Encapsulation	IP66							

