

# Specifications

Detector		
Detector Material	Microbolometer UFPA (Uncooled Focal Plane Array)	
Resolution	384 × 288, 25μm	
Spectral Range	8μm ~ 14μm	
Lens		
	SFE3010 SFE3015 SFE3019 SFE3025 SFE3040 SFE3075 SFE3100 SFE3150	
Focus	9.6mm 14.8mm 19mm 25mm 40mm 75mm 100mm 150mm	
F#	0.8 1.0 1.0 1.0 1.0 1.0 1.1 1.0	
FOV	53°×41° 35.9°×27.3° 28.4°×21.5° 21.7°×16.4° 13.7°×10.3° 7.3°×5.5° 5.5°×4.1° 3.6°×2.7°	
Man 1.8m×0.5m	Detection	180m 300m 400m 500m 800m 1500m 2000m 3000m
	Recognition	100m 150m 200m 250m 400m 700m 1000m 1500m
Vehicle 2.3m×2.3m	Detection	500m 700m 900m 1200m 2000m 3000m 3500m 4500m
	Recognition	200m 300m 400m 500m 800m 1500m 2000m 3000m
Image		
Composite Video	PAL 50Hz /NTSC 60Hz	
Zoom	x2, x4	
Image Enhancement	HDR enhancement	
Bright/Contrast	Auto/Manual	
Focus	Focus free, athermal lens Auto/Manual	
Palettes	9 Palettes: B&W, B&W inverse, Blue-Red, Iron bow, Rainbow, High Contrast, Hot metal, Amber, Amber Inverted	
Pan-tilt		
PTZ	Optional	
Power		
Power Input	With PTZ AC 220V, without PTZ DC 12V+3V	
Environment		
Encapsulation	IP66	
Working Temp.	-20°C~+60°C	
Storage Temp	-40°C~+60°C	
Humidity	5%~95%, Non-condensing	
Physical Feature		
Connectors	Power, Rs232, video, alarm output	

Edition\_GD\_MD140815



## KnightIR SFE Series Analog infrared safety monitoring system

KnightIR SFE is Guide's new thermal security monitoring system that can be used day and night, in total darkness and in extreme weather such as rain or dense fog. It can easily be integrated into different security systems with standard protocols and interfaces. Multiple lens options allow for different monitoring distances. The system can be applied broadly: in ports, wharfs, stations, airports, border stations and more.

### Features and Benefits

- Standardized video and control protocols & connectors protocols and physical connectors comply with security industry standards for easy integration, such as Pelco-D/Pelco-P
- Motion detection and intruder alarm. Motion detects and intruder alarm on user-defined monitoring area and outputs an alarm signal to an alarm device or control center.
- Energy Alarm. The advanced energy alarm function can locate high temperatures quickly and outputs an alarm signal to an alarm device or control center
- Image enhancement. Automatic brightness & contrast and HDR (high dynamic range) optimization enhance the visibility of details and the overall image quality
- Multiple lens options. 8 lens options from 9.6mm to 150mm

### Applications

- Warehouses and industrial
- Highways and rail roads
- Ports and wharfs
- Border and coastal defense
- Airports and stations
- Key area

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