

KnightlR MF Series

Multifunctional IR monitoring system

The MF series has been designed for advanced security and surveillance, with the capability of digital video networks transmission. It is compatible with the standard interfaces in the security industry to facilitate integration. Various lens options and PTZ platforms are available, allowing for a multitude of applications in the fields of security and surveillance.

Features and Benefits

- High-resolution thermal imager
- Rotary PTZ control
- Combined analog video & network digital video
- Compatibility with standard security interfaces
- Advanced video processing functions
- Excellent range performance





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	o℃						
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 video: H.264 or MPEG format							
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 provides active sensor video output (merging thermal and visible), RJ45 for network connectivity provided on break-out cable, and RS485							
Pan-tilt (op	otional)								
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)							
Environ <u>me</u>	ental parame	ters							
Operating temperature		-10° ~+50°							
	Storage temperature		-20° ~+60°						
	erature	-20° ~ +60°							



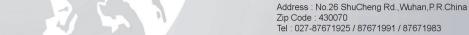
Encapsulation



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