

Dual Sensor IR & Visual monitoring system

The DS series has been designed to meet the combination demand for sharply visible sensor and top-end thermal sensor. Enjoying function of online video transmission, it is compatible with the standard interfaces to facilitate in any integration. Various options for optical lens and pan-tilt are available, allowing for a multitude of applications in the fields of security and surveillance.

Features and Benefits

- HD Visual & IR video
- Rotary PTZ control
- Combined analog video & network digital video
- Compatibility with standard security interfaces
- Advanced video processing functions
- Remote control & 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, 25 μ m						
Spectral range	8 μ m ~ 14 μ m						
NETD	\leq 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° x 48.5°	40.5° x 30.9°	21.7° x 16.4°	13.7° x 10.3°	7.3° x 5.5°	5.5° x 4.1°	3.7° x 2.7°
Man 1.8m x 0.5m	Detection	161m	261m	502m	803m	1505m	3011m
	Recognition	40m	65m	125m	201m	376m	753m
Vehicle 2.3m x 2.3m	Detection	442m	718m	1380m	2208m	4140m	8280m
	Recognition	110m	179m	345m	552m	1035m	2070m
Image							
Video output	Visual: Analog video: PAL (25Hz); Digital video: H.264 or MPEG format Thermal: 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							
Azimuth angle	0° ~ 360° ; 0.01° ~ 60° / S						
Pitching angle	-90° ~ +90° ; 0.01° ~ 30° / S						
Programmable search	Preset 80 points						
Power							
Power input	AC24V						
Power consumption	AC24V/100W						
Environmental parameters							
Operating temperature	-10° ~ +50°						
Storage temperature	-20° ~ +60°						
Humidity	5% ~ 95%, non-condensation						
Encapsulation	IP66						

