



Fixed Thermal Camera

RF-TM100H5X



Product Summarize

Rhodium Thermal fixed camera configuration is as follows.

- Thermal System: Un-Cooled thermal image (7.5~14 μ m) with 20~100mm motorized thermal lens
- Head housing: Aluminum alloy housing with IP66 protection level

The thermal system work at far-infra-red frequency @8~14 μ m , and could show the image of tiny temperature differences. Several image modes could be selected, such as white hot, black hot, fusion, rainbow and other pseudo color modes. The Vanadium Oxide (VOX) is the material, which is immune from the sunshine.

So, the system is a best combination of thermal image, is capable to work with an excellent optical performance at both daytime and night. Due to the above excellent performances, the hybrid camera system is ideal for applications requiring long distance surveillance under harsh environment and all-weather conditions. It always works fine at both daytime and night, even in a rainy/snowing/smog/foggy/dusty day. Intruders hiding in the jungle/grass at night could also be easily detected.

Configuration

Model No.	Thermal System	
RF-TM100H5X	640*512 pixel	20~100mm 5X zoom

Optical Performance Reference

Thermal System			
Target	Detection (3 pixels)	Recognition (6 pixels)	Identification (12 pixels)
Person 1.8*0.5m	4.5 km	1.7 km	0.88 km
Vehicle 2.3*2.3m	6.5 km	2.2 km	1.1 km

Key Features

- ❖ All Metal body
- ❖ With sealed waterproof , dust proof (IP66) , and vandal proof design
- ❖ Black / Silver color optional
- ❖ Option heater and fan, to work well under the harsh weather condition
- ❖ Power off memory
- ❖ Support RJ45, support Onvif
- ❖ Pelco P/D
- ❖ Humidity resistance: maximum 98%
- ❖ CE / ROSH certification

Specifications

P&T Specifications

Power Supply	AC24V / DC24V
Power Consumption	≤90W
Working Temp	-20°C+50°C
Storage Temperature	-40°C +60°C

Thermal Camera Specifications

Lens 20mm~100mm by 640*512 pixel						
Thermal core	Iris	Viewing Angle		WLB (μm)	Focusing Range	Focus Mode
		Wide	Tele			
f 20mm	1.2	30.2°	24.5°	8~14	∞~2m	Motorized
f 100mm		6.1°	5.0°			

Detector type	Vanadium oxide infrared microbolometer
Resolution	640x512 pixel
Sensitivity	≤40mk @ 300. F1
Pixel size	17μm
Frame frequency	25Hz
Response wave band	8~14μm
Digital zoom	1~8X continue zoom
Network image resolution	720x576 pixel
Main stream frame rate	25fps : 720x576
Sub-stream frame rate	25fps : 352x288
Image enhancement	IDE
Pseudo color	11 kinds of color optional
Network protocol	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, RTCP, IGMP, 802.1X, ONVIF (Profile S)
Video compression	H.264

Head housing dimension will be customized by the lens