



Uncooled Multisensor Camera

Uncooled Multisensor Camera combines visible camera, and thermal camera that suit long distance monitoring in total darkness and foggy/rainy environment. It has a U shape housing and with military quality, the camera is widely applied to coastal, seaport, airport, Forest fire prevention.

In the day time, HD lens and 2 megapixel color to B/W CMOS works. At night, the 640*512 uncooled thermal camera. The Uncooled Multisensor Camera can detect vehicle at 18 km 24/7 hours. Internal industrial-grade embedded electronic control system support the Uncooled Multisensor Camera operation: zoom, focus, video switch, pan tilt. The integral aluminum alloy housing IP66 makes sure outdoor long running.

General Functions

- Aluminum alloy housing, anti-corrosion paint, anti-seawater corrosion, spherical housing, resisting 33m/s wind.
- Precision positioning.
- Data feedback: real-time feedback direction, angle, focal length and focusing data, track and locate the target. (cooperate with application software) High load duty.
- Max rotation speed 45°/s, min rotation speed 0.01°/s.
- Pan rotation angle range 0-360°, tilt rotation angle range $\pm 45^\circ$.
- Uncooled Multisensor Camera combines thermal camera, visible camera, pan tilt, housing and decoder.
- One integral aluminum alloy housing, waterproof, IP66, anti-dust.

Application

Border defense, lake and river monitoring, airport security, city safety, forest fire prevention.

DRI Ranges			
	Detection	Recognition	Identification
Vehicle	17,400m	4,800m	2400m
Human	6,800m	1,800m	1200m

TECHNICAL SPECIFICATION	
Thermal sensor	uncooled detector, 640*512; 7.5um-14um spectral response, 50mk NETD
Thermal lens	21mm~210mm, 10X optical zoom
	Electric zoom and auto focus
Fov (H)	6.5°× 4.9°/2.1°× 1.6°
Visible lens	16.7-1000mm
	motorized zoom
	DC8-12V
	zoom data feedback
Visible sensor	1/1.8"CMOS
	0.0002lux super high sensitive color to B/W CCD
	2 megapixels,1920X1080
	Automatic ICR switch
	H.264/MPEG4/MIPEG
	32Kbps~16Mbps,60Hz30 FPS
	ABF auto adjust function

PTZ	Load: 50kg
	U Shape housing, Multi-dimensional free-form surface shape resisting 33m/s wind. Rotation speed Pan: 0.01°~45°/S; Tilt: 0.01°~45°/S; PT Pan: 0~360°; Tilt: -45°~+45° Preset 200
Laser range finder	5Km
Laser illuminator	18W, up to 3Km
Image process	2X digital zoom; Image processing; AGC; 10 pseudo color; SDE image enhancement;
Fog filter	AFR color fog filter technology
Housing	Material: High strength aluminum alloy shell, waterproof seal To avoid the growth of mold and moisture generated
	Structure: Integrated double-window design
	Surface coating: PTA three-resistance coating, Seawater corrosion resistance
	Built-in thermostat, design of thermal equilibrium
	Interface: Aviation waterproof plug
Interface	1.1 channel 10M / 100M adaptive Ethernet port 1 AC24V / DC24V, 2. Military-grade waterproof aviation plug
Video format	H.264, Dual video output
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP ect. Other protocol
	Support ONVIF2.0
	Pelco-P, Pelco-D, Baudrate 2400, 4800, 9600, 19200 optional
Power supply	AC220V±20% Turntable rotation power can be controlled in 120W, maximum power consumption 150W, stationary machine power 45W, heating 150W

Environment

Working temperature	-40°C~+ 65 °C
Storage temperature	-40 °C~ + 65 °C
Humidity	<90%
Protection	IP66
Weight	115KG