



Product description: vehicle visible and thermal dual camera

Product name: SC MM series



**Detection range 300 meters and up to 1,200 meters thermal vision,
based on lens options**

Features:

- Using a new high-strength seismic structure, simplifying this unique dual camera, so that the product more stable during long time working.
- Three housing separated: motor housing, visible light / Thermal Camera housing, the main board camera housing separated, increase the product life effectively.
- Built-in automatic thermostat device, resistant to cold, high temperature, to effectively cope with temperature problems caused by the phenomenon of lens fog, real-time image clarity.
- Using Precision stepper motor, precise preset position, with wiper function, to keep the lens clean.
- Using all-digital control, flexible programming, compact and simple drive system design can be arbitrarily rapid positioning and continuous tracking scan.

Thermal Vision Supplement: Adopts Athurmlized Thermal Camera with (25mm up to 40mm) lens to achieve synchronous focus, angle adjustable or automatically adjusted according to the camera lens, the detection distance on thermal vision is between 300m – 1,200m.

HD IP: PTZ support mainstream megapixel digital high-definition movement and HD SENSOR HD picture capture, compatible with mainstream HD platform and seamless docking, the maximum support 1080P output, support for dual-stream and high-definition capture, support IE browser.

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Application:

- Police mobile law enforcement.
- Fire emergency command.
- Emergency command system.
- Road mobile patrol.
- Urban management law enforcement.
- Special vehicle mobile inspection.

Camera data:

Product		SCMM35		
		Object	Human (1.8*0.5 m)	Vehicle (2.3*2.3 m)
Monitoring Distance		Detection Distance	1,302 m	3,156 m
		Recognition Distance	325 m	789 m
		Identification Distance	162 m	394 m
Thermal Camera	Resolution (sensor pixels)	384x288		
	Lenses	Athermalized 25mm, and 40mm		
	Spectral response	8-14μm (Un-cooled LWIR micro-bolometer)		
	Pixel Pitch	12μm		
	Thermal Sensitivity (NETD) of sensor	<40mK @f1.0, 30Hz, 300K		
	Operating Temp.	-10°C to 60°C		
	Range of temperature measurement	Normal temperature detection mode: -20 ~ 120°C High temperature detection mode: 0 ~ 650°C		
	Video Output	Compressed video data, H.264, MPEG4, MJPG (ONVIF/POE supported) CVBS analogue video (BNC port)/HDMI		
	Thermal imaging Operating temp	-40~70°C		
Visible Light Camera	Image Sensor	1/3" Progressive CMOS		
	Effective Pixels	1920x1080		
	Optical Zoom	4 ~153 mm		
	Aperture	F1.5-F2.7		
	Angle of View	Horizontal: 50.2°-2.9° (Wide-Tele), Vertical: 37.9°-2.1°		
	Day / Night	IR-CUT, Auto, Color, B/W		
	Zoom Speed	3 Sec. (Optical, Wide ~Tele)		



Parameter	Definition	Main Bit stream: 50HZ:25fps (1920x1080, 1280x720) 60HZ:30fps (1920x1080, 1280x720) Sub-bit stream: 50HZ:25fps (720x576, 352x288) 60HZ:30fps (720x480, 352x288)
	Mini. Illumination	Color: 0.01Lux @ (F1.5, AGC ON), B/W: 0.005Lux @ (F1.5, AGC ON)
	Video Out	RJ45
	Setting	Brightness, Contrast, Saturation, Sharpness, Chroma
	Function	Area Mask, WDR, Anti-flicker, Defogging, Mirroring, Aisle Mode, Rotation, BLC, HLC, Exposure Compensation, Defective Pixel Compensation, Power Loss Recovery, Distortion Correct, DIS, 3D Position
	ROI	4 Areas
	Focus	Auto/Manual/One-time Focusing
	Exposure	Auto/Aperture/Shutter/Manual/Low luminance/High luminance
	Electronic Shutter	1/25~1/100000
	DNR	2D / 3D
	WB	Auto/ Manual/ Sunshine/ Cloudy/ Dusk/ Sodium Lamp/ Fluorescent Lamp/ One-time Tracking/ Auto-tracking
	WDR	Super WDR, Digital WDR, 0~100
	Lens Initialization	Built-in
	Electronic Zoom	16x
Signal System	PAL/NSTC	

Network	Storage	Support Micro SD 128G (Suggest class 10)
	Smart Alarm	Motion Detection, Camera Shaded, Network Disconnected, IP Conflict, HDD Error, HDD Full
	Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (IPv6 Optional)
	System Compatibility	ONVIF2.4, FV Private, Active Registration, CGI, Dahua, Hikvision
	Dual Bit Rate	1080P/720P (Main), D1/CIF (Sub)
	Video Compression	H.265/H.264
	Audio Compression	G.711A, G.711U, G.726, AAC
	Function	Password Protection, Heartbeat, Multiple User Access Control
Interface	Interface	36pin FFC (Network Interface, RS485, RS233, CVBS, Alarm In/Out, Audio In/Out, USB, Power)
	Communication	RS232 (VISCA), RS485 (Pelco, FV)



General	Temperature / Humidity	10°C~+60°C <90%
	Power Supply	DC12V±10%
	Power Consumption	Static: 2.5W, Dynamic: 4.5W
	Dimension	200 x 331 x 140 mm

PT Drive function:

Pan preset speed	150°/s
Tilt preset speed	120°/s
Pan control speed	0°~100°/S
Tilt control speed	0°~90°/S
Pan range	360°endless rotation
Tilt range	+60° ~ -90°
Preset positions, Tracking	256 positions 6 tracking
Control Way	RS485, Built-in 16 protocol, Baud Rate from 2400Bps to 19200Bps optional
Relative Humidity	Less than 90%
IP Grade	IP66
Working Temperature	-30° ~ +65°
Impact resistance requirements	≥4G
Wiper	Support
Installation	Variety of installation according to the environment
Weight	6kg



Measures and Diagram: (mm)

