



Product description: dual visible and thermal camera

Product name: SC DU series



Detection range 3,000 meters to 12,000 meters for human and up to 25,000 meters for vehicles, based on lens options

Features:

- Independent defogging defrosting module, solve the camera and lens fogging.
- High-quality heating parts are used in the camera housing, so that the whole housing can work together to form an effective anti-fog and defogging.
- PTZ adopts the integrated upper and lower structure so that the PTZ and infrared housing will not bump and dislocate.
- PTZ standard with the original regulator module, filter the vehicle transient current instability, so that PTZ remains stable.

Thermal Vision Supplement: PTZ adopts 100mm, 150mm, 38~190mm, 50~225mm, 50-300 mm Thermal Camera, Multi-angle work together, the working life up to 30,000 hours, thermal vision from 3,000 meters to 12,000 meters for human detection and up to 25,000 meters for vehicles.

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.

Application:

- Security Surveillance.
- Urban management law enforcement.

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Camera data:

Product		SCDU series
Thermal Camera	Resolution (pixels)	640x480
	Spectral response	8-14μm (Un-cooled LWIR micro-bolometer)
	Pixel Pitch	12μm
	Thermal Sensitivity (NETD) of sensor	<50mK @f1.0, 30Hz, 300K
	Operating temp (Ambient temp)	-10°C to 60°C
	Video Output	Compressed video data, H.264, MPEG4, MJPG (ONVIF/POE supported) BNC connector (composite): NTSC 30Hz, PAL 25Hz HDMI: Selectable (50Hz or 60 Hz), HDMI: 480p, 576p, 720p, 1080i, 1080p selectable
	Ethernet	Giga Ethernet (10/100/1000Mbps)
	Lens	100mm, 150mm, 30~190mm, 50~225mm, 50~300mm
Visible Light Camera	Image Sensor	1/3" Progressive CMOS
	Effective Pixels	1920x1080
	Optical Zoom	4.6-180mm / 6~210mm
	Aperture	F1.6-F4.8
	Angle of View	Horizontal: 60.08-2.08° (Wide-Tele), Vertical: 35.32°-1.18°
	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. lamination	Color: 0.01Lux @ (F1.6, AGC ON), B/W: 0.005Lux @ (F1.6, 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/ Locked
	WDR	Super WDR, Digital WDR, 0~100
	Lens Initialization	Built-in
	Electronic Zoom	16x
	Signal System	PAL/NSTC

Network	Storage	Support MicroSD 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	26pin 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	643 x 333 x 460 mm



PT Drive function:

Pan preset speed	100°/s
Tilt preset speed	60°/s
Pan control speed	0°~60°/S
Tilt control speed	0°~40°/S
Pan range	360°endless rotation
Tilt range	+90° ~ -90°
Preset positions, Tracking	256 positions 8 tracking
IR Distance	2 groups lens, 100m night vision
Control Way	RS485, Built-in PELCO D/P 16 protocol, Baud Rate from 2400Bps to 19200Bps optional
Relative Humidity	Less than 90%
IP Grade	IP66
Working Temperature	-35° ~ +55°
Impact resistance requirements	≥4G
Wiper	Support
Installation	Variety of installation according to the environment
Weight	7kg

Measures and Diagram: (mm)

