

DH-SD59220T-HN

2MP 20x IR PTZ Network Camera



- · 1/2.8" 2Megapixel Exmor CMOS
- · Powerful 20x optical zoom
- Support Triple-streams encoding
- · Max. 25/30fps@1080P, 25/30/50/60fps@720P
- · IVS(Optional)
- · Support PoE+
- · IR distance up to 100m
- · IP66







System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD59 series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 20x optical zoom . SD59 series PTZ is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) and PSIA (Physical Security Interoperability Alliance) specifications, ensuring interoperability between network video products regardless of manufacturer.



Technical Specification			Bit Rate Control	CBR/VBR
Camera			Bit Rate	H.264+/H.264: 448K ~ 8192Kbps, MJPEG: 5120K ~ 10240Kbps
Image Sensor		1/2.8" Exmor CMOS	Day/Night	Auto(ICR) / Color / B/W
Effective Pixels		1920(H) x 1080(V), 2 Megapixels	Backlight Compensation	BLC / HLC / DWDR
RAM/ROM		256M/128M	White Balance	Auto,ATW,Indoor,Outdoor,Manual
Scanning System	า	Progressive	Gain Control	Auto / Manual
Minimum Illumination		Color: 0.05Lux@F1.4; 0Lux@F1.4(IR on)	Noise Reduction	Ultra DNR (2D/3D)
S/N Ratio		More than 55dB	Motion Detetion	Support
IR Distance		Distance up to 100m (328ft)	Region of Interest	Support
IR On/Off Control		Auto/Manual	Electronic Image	N/A
IR LEDs		4	Stabilization (EIS) Defog	Support
Lens			Digital Zoom	16x
Focal Length		4.7mm~94mm		
Max. Aperture		F1.4 ~ F2.6	Flip	180°
Angle of View		H: 56.1° ~ 3.1°	Privacy Masking	Up to 24 areas
Optical Zoom		20x	Audio	
Focus Control		Auto/Manual	Compression	G.711a/G.711u(32kbps)/PCM(128kbps)
Close Focus Dist	ance	100mm~ 1000mm	Network	
PTZ			Ethernet	RJ-45 (10/100Base-T)
Pan/Tilt Range		Pan: 0° ~ 360° endless; Tilt: - 15° ~ 90° , auto flip 180°	Protocol	IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP, UDP,UPnP, ICMP,IGMP,SNMP,RTSP,RTP, SMTP, NTP,DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Manual Control	Speed	Pan: 0.1° ~300° /s; Tilt: 0.1° ~200° /s	Interoperability	ONVIF, PSIA, CGI
Preset Speed		Pan: 400° /s; Tilt: 300° /s	Streaming Method	Unicast / Multicast
Presets		300	Max. User Access	20 users
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan	Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, 128GB
Speed Setup		Human-oriented focal Length/ speed adaptation Auto restore to previous PTZ and lens status after	Web Viewer	IE10/Google/Firefox/Safari
Power up Action		power failure	Management Software	Smart PSS, DSS
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period	Smart Phone	iPhone, iPad, Android, Windows Phone
Protocol		DH-SD	Certifications	
Intelligence			Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014
Auto Tracking		N/A		UL: UL60950-1+CAN/CSA C22.2,No.60950-1
IVS (optional)		Tripwire, Intrusion, Abandoned/Missing, Face Detection	Interface	
Video			Video Interface	N/A
Compression		H.264+/H.264 / MJPEG	Audio Interface	1/1
Streaming Capal	bility	3 Streams	RS485	N/A
Resolution		1080P(1920×1080)/720P(1280×720)/ D1(704×576/704×480)/CIF(352×288/352×240)	Alarm Electrical	2/1
	Main stream	1080P/ D1 (1 ~ 25/30fps), 720P(1~50/60fps)	Power Supply	AC24V/3A(±10%), PoE+(802.3at)
Frame Rate	Sub stream1	D1/CIF(1 ~ 25/30fps)	Power Consumption	13W,23W (IR on)
	Sub stream2	720P/D1/ CIF (1 ~ 25/30fps)		

Environmental

Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	Ф186.0(mm) x 309(mm)
Net Weight	3.5kg(7.72lb)
Gross Weight	6.8kg(14.99lb)

Ordering Information					
Туре	Part Number	Description			
	DH-SD59220T-HN	2MP 20x IR PTZ Network Camera, PAL			
2MP PTZ	DH-SD59220TN-HN	2MP 20x IR PTZ Network Camera, NTSC			
Camera	SD59220T-HN	2MP 20x IR PTZ Network Camera, PAL			
	SD59220TN-HN	2MP 20x IR PTZ Network Camera, NTSC			
	PFB300S	Wall Mount			
	PFA110	Mount Adapter			
	AC24V/3A	Power Supply			
	PFA140	Power box			
Accessories	PFB300C	Ceiling Mount			
	PFA120	Junction Box			
	PFA150	Pole Mount			
	PFA151	Corner Mount			
	PFB303S	Parapet mount			

Accessories

Included:







PFA110 Mount Adapter



AC24V/3A Power Supply

Optional:



PFA140 Power box



PFB300C Ceiling Mount



PFA120 Junction Box



PFA150 Pole Mount



PFA151 Corner Mount



PFB303S Parapet Mount

Ceiling Mount	Junction Mount	
PFA110 + PFB300C	PFA110 + PFB300S + PFA120	
Power Box Mount	Pole Mount	
PFA110 + PFB300S + PFA140	PFA110 + PFB300S + PFA150	
Corner Mount	Parapet Mount	
PFA110 + PFB300S + PFA151	PFA110 + PFB303S	



Dimensions (mm)



