

DS-2SF9S804SXG-L/18(C7F1) PanoVu PT Series 4MP + 4MP Target Capture Camera



Hikvision DS-2SF9S804SXG-L/18(C7F1) PanoVu PT Series 4MP + 4MP Target Capture Camera is able to capture distant view images as well as close-up images with the integration design of distant view camera and tracking PTZ camera. This series of camera can be widely used in the scenes where wide monitoring range and high definition are required, such as the entrance/exit, airport, port, wharf, reservoir, square, park, scenic spot, and station, etc.

- Integrated dual lenses capture distant and close-up images
- High quality imaging with 4 MP resolution each lens
- Horizontal field of view: 54° for the panoramic camera, 32° to 8° for the tracking PTZ camera
- Excellent low-light performance with DarkFighter technology
- 4x optical zoom of the PTZ camera allows for close-up viewing of an expansive scene
- Pan and tilt range for the tracking PTZ camera: 0° to 210° (Pan), -15° to 22° (Tilt)
- Record targets conveniently through smart linkage between two lenses

▪ Specification

Camera	
Image Sensor	Two sensors, 1/1.2" progressive scan CMOS
Min. Illumination	[Panoramic channel] Color: 0.002 Lux @(F1.0, AGC ON), B/W: 0.0005 Lux @(F1.0, AGC ON); [PTZ channel] Color: 0.0035 Lux @ (F1.6, AGC ON), 0 Lux with supplement light
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	[PTZ channel] 4x optical, 16x digital
Max. Resolution	3840×2160
Lens	
Focus	Auto, semi-auto, manual
Focal Length	[Panoramic channel] 4 mm, [PTZ channel] 13 to 52 mm
Zoom Speed	[PTZ channel] approx. 1.8 s (optical, wide-tele)
FOV	[Panoramic channel] horizontal FOV 88°, vertical FOV 47°, diagonal FOV 104.3° [PTZ channel] horizontal FOV 32° to 8°, vertical FOV 18° to 4.5°, diagonal FOV 37° to 9°
Aperture	[Panoramic channel] F1.0, [PTZ channel] F1.6
Illuminator	
Supplement Light Range	[PTZ channel] up to 30 m for human face, and up to 40 m for human body. Adjusted automatically according to scenes to prevent overexposure [Panoramic channel] warm white light, up to 15 m for vehicle
Smart Supplement Light	Yes
IR Wavelength	[PTZ channel] hybrid illumination, max.
PTZ	
Movement Range (Pan)	[PTZ channel] 0-210°
Movement Range (Tilt)	[PTZ channel] -15° to 22°
Pan Speed	[PTZ channel] pan speed: configurable from 0.1° to 200°/s; preset speed: 300°/s
Tilt Speed	[PTZ channel] tilt speed: configurable from 0.1° to 120°/s, preset speed 120°/s
Proportional Pan	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	No
Power-off Memory	Yes
Park Action	Preset, patrol scan
3D Positioning	Yes
PTZ Status Display	Yes
Preset Freezing	No
Scheduled Task	Preset, patrol scan, dome reboot, dome adjust, aux output
Video	
Main Stream	[Both channels] 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	[Both channels] 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 24 fps (704 × 480, 640 × 480, 352 × 240)

Third Stream	[Both channels] 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 24 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG
Video Bit Rate	32 - 16384 Kbps
H.264 Type	Baseline profile, main profile, high profile
H.265 Type	Main profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	No
Target Cropping	No
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
Environment Noise Filtering	Yes
Network	
Network Storage	NAS (NFS, SMB/ CIFS)
Protocols	IPv6, IGMP, SNMP, HTTPS, UPnP, PPPoE, TCP/IP, WebSocket, DHCP, SFTP, Bonjour, FTP, 802.1X, RTCP, SMTP, UDP, WebSockets, RTP, QoS, IPv4, DDNS, ICMP, RTSP, DNS, NTP, SSL/TLS, HTTP
API	ONVIF (Profile S, Profile G, Profile T), ISAPI, Hikvision SDK, Ehome, Hik-Connect
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Security	Authenticated username and password, HTTPS encryption, 802.1X authenticated access, IP address filter
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
Image	
Day/Night Switch	Day, night, auto, scheduled-switch
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB WDR
Defog	Yes
Image Stabilization	EIS
Regional Exposure	Yes
Regional Focus	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Image Parameters Switch	Yes
Privacy Mask	Up to 24 masks, mask color configurable, rectangle region
SNR	≥ 55 dB
Interface	
Power Output	No
Ethernet Interface	RJ45, Self-adaptive 10M/100M/1000M Ethernet port
Fiber Optical	No
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC (up to 512 GB)

Alarm	1 input, 1 output
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω $\pm$ 10%; 1 output (line out), line level, output impedance: 600 Ω
RS-485	No
Reset	Yes
Event	
Basic Event	Motion detection, video tampering alarm, alarm input and output, exception
Smart Event	Scene change detection
Smart Tracking	No
Alarm Linkage	Memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP
Deep Learning Function	
Multi-Target-Type Detection	Both camera channels support detecting and capturing human face and body. The panoramic channel provides additional vehicle detection and capture
Face Capture	Detects up to 30 faces at the same time. Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture
Face Comparison	Yes
Linkage and Tracking	
Smart Linkage	panorama linkage
General	
General Function	Password protection, watermark, IP address filter
Power	36 VDC $\pm$ 25%, max. 60 W (including max. 6 W for panorama channel illuminator, max. 7.8 W for PTZ channel illuminator, max. 10 W for heater)
Operating Condition	Outdoor: -40°C to 70°C (-40°F to 158°F), humidity lower than 90%RH
Demist	Yes
Material	Aluminum alloy ADC12, PC, PC + ABS, PC + 10%gf
Dimension	230 mm $\times$ 277 mm $\times$ 470 mm (9.06" $\times$ 10.91" $\times$ 18.5")
Weight	Approx. 4.9 kg (10.8 lb.) for camera, 2.9 kg (6.39 lb.) for included wall mount, 7.8 kg (16.53 lb.) in total
Language	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Approval	
EMC	Lightning Protection, Surge Protection and Voltage Transient Protection, $\pm$ 6kV Line to Gnd, $\pm$ 3kV Line to Line, IEC61000-4-5
Protection	IP66

▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

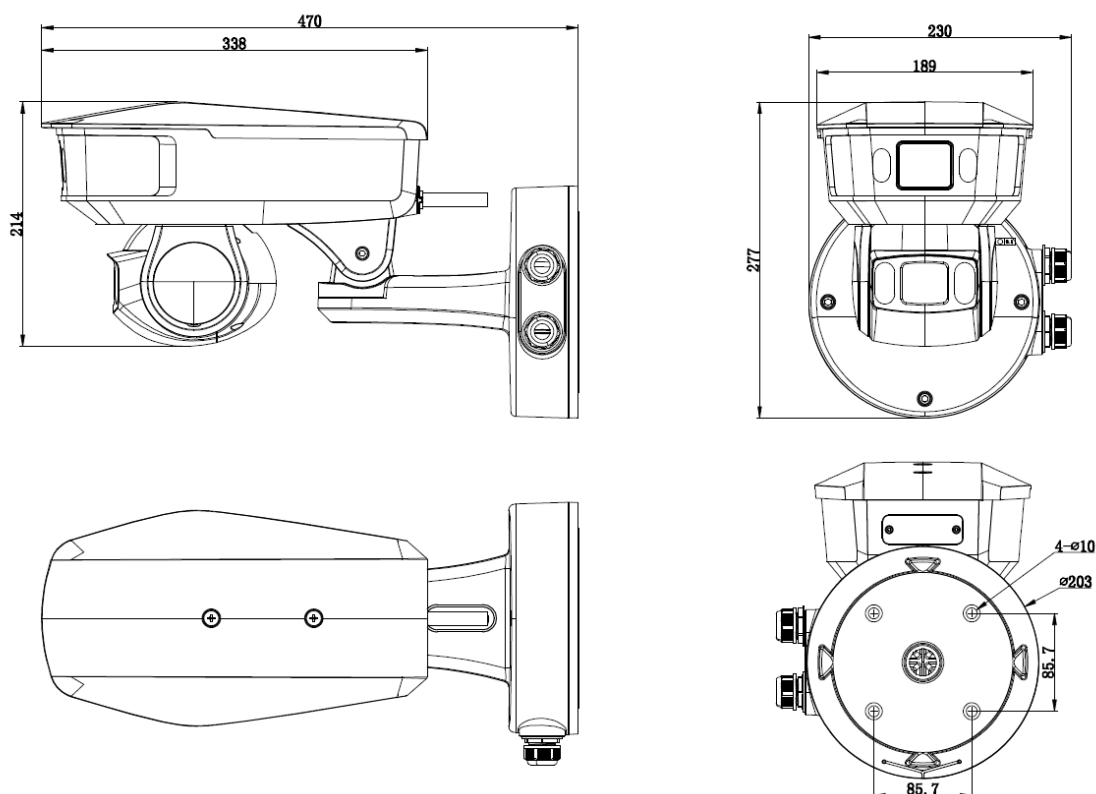
DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m

Distance (Tele) (Panoramic channel)	107.2m	42.5m	21.4m	10.7m
Distance (Tele) (PTZ channel)	717.2m	284.6m	143.4m	71.7m

▪ Available Model

DS-2SF9S804SXG-L/18(C7F1)

▪ Dimension



▪ Accessory

▪ Included

DS-2601ZJ-P

Wall mount



▪Optional

DS-2FA3616-DZ-H W DS-2FA3616-DZ-H W (NO AC power wire)			
DS-2664ZJ-P Pendant Mount	DS-2665ZJ-Pole-P Horizontal pole mount	DS-2115ZJ-P Vertical pole mount	
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