

● SD522B4K-IRN



4K
ONVIF

KEY FEATURES

- Resolution: 4K(3840x2160), 1080P
- Video Compression: H.264
- Zoom: 22X
- Video Output: IP
- IR Illumination: 300ft Adaptive
- Environmental:IP67
- Power: AC 24V, POE
- ONVIF Compliant

DESIGN



- Double sided coating on optical glass with dust and water resistant properties.
- High definition coating to allow increased penetration of light.



- Hardened metal alloy casing shape for extreme weather condition use.
- +15° to - 90° total 105° tilt angle range.



- Water resistance with waterproof shaft and oil seal with stainless steel structure.
- IP 67 compliant.



- Built in Pressure Equalization to protect internal components and motor performance under extreme conditions.



- Adaptive illumination with intelligent sensors to auto adjust for lighting conditions to output optimal image quality.
- Open platform to support embedded Video Analytics integration.



- Stainless steel ball bearing assembly to provide extended life with minimized corrosion.

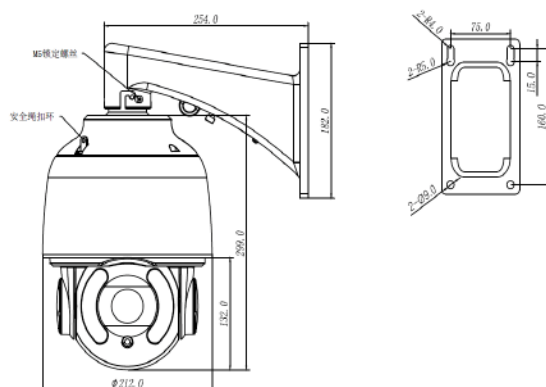


- High precision closed loop stepper motors and gears to provide accuracy, smoothness, stability and Quietness of Pan/Tilt movements.

FUNCTIONALITY

- Image Functionalities: WDR, BLC, Defog, Day/Night
- Intelligent Adaptive IR Illumination
- $\pm 105^\circ$ tilt / $\pm 360^\circ$ pan range, adaptive speed up to $220^\circ/\text{s}$
- 3D Positioning
- Motion Detection, Guard Tour Presets: 4 zones
- Preset Time Task Activation: 8 Periods
- 255 Presets, Speed: $300^\circ/\text{s}$, 8 Cruises
- Rain wiper available

INSTALLATION DIAGRAM



Product Specification

Model No.	SD522B4K-IRN
Camera	22X 4K
Image Sensor	1/1.7" CMOS 8MP
Lens	6.5~143mm
Horizontal Angle of View	-
Aperture	F1.5(W)~F3.4(T)
Min. Illumination	0.03lux (F1.5,50IRE, Color), 0.01 lux(F1.5,50IRE,B/W)
Shutter Speed	1/6~1/8000s
Resolution	4K(3840x2160)30, 1080P30
Focus	Auto, Push
White Balance	Auto, Manual
Exposure	Auto,Manual,Shutter/Iris Priority
Day/Night	YES
BLC	YES
WDR	YES
Defog	YES
Motion Detection	YES, 4 Zones
Noise Reduction	2D/3D
S/N Ratio	≥50db

Mechanical

Pan Movement	Horizontal:±360 degrees continuous pan (Highest Speed: 220 degrees / sec)
Tilt Movement	Vertical:+15 degrees to -90 degrees (Max Speed:160 degrees/sec)
Preset Position	255 (Speed:300 degrees / sec)
Home Position	YES
Cruise	Support up to 8 different path movements
Environmental	IP67
Infrared	The adaptive infrared can be synchronized with different zoom angle. Illumination distance is up to 100 Meters.

Network

Video Compression	MJPEG, H.264 High Profile
Frame Rate	4K(3840x2160)MAX:30FPS,1080P (1920*1080) MAX:30 FPS,720P(1280*720) MAX:30 FPS,D1(720*576) MAX:25 FPS
Protocols	L2TP,IPv4,IGMP,ICMP,ARP,TCP,UDP,DHCP,PPPoE,RTP,RTSP,QoS,DNS,DDNS,NTP,FTP,UPnP,HTTP,SNMP,SIP IP Auto Adaptations, Effective monitoring even under data loss environment
Multi-stream	3 data stream function will satisfy various bandwidth, frame rates and storage requirements in real time
Audio Compression	AAC-LC Broadband Audio Encoding
Special Function	UNP Technique, resolve Private Network NAT throughput, support movement testing, audio testing, various intelligent functions.
OSD	Customized OSD, Support Side Hook and Artistic Font
Compatible Integration	ONVIF

Interface

Network	10M/100M Base-TX Ethernet, RJ45
Audio I/O	Input: Impedance 35kΩ, Amplitude 2V [p-p]; Output: Impedance 600kΩ, Amplitude 2V [p-p] (Optional)
Alarm I/O	Alarm Input 1, Alarm Output 1 (Optional)
Edge Storage	Micro SD, Up to 64GB

General

Operating Temperature	-40°C to +60°C
Operating Humidity	100% Suitable for Use
Power Input	AC24V (POE: Optional)
Power Consumption	10W (Close IR) 20W (Open IR)
Dimension	Φ210×333mm
Weight	4.8kg
Rain Wiper	Optional

ORDER INFORMATION

• SD522B4K-IRN (IP)

• Add letters following the model No. for optional features: Wiper: +R; POE: +P; Audio/Alarm: +A