SD500 SERIES

Starlight IR HD IP Dome Camera

● SD520BHDG-RNAP

KEY FEATURES

- Min. Illumination: 0.002Lux in color
- Resolution: Up to 1080P
- Zoom: 20X, 16X Digital Zoom
- Video Output: IP
- IR Illumination: 100 meters Adaptive
- Environmental: IP67
- Power: AC 24V, POE 80W
- ONVIF Compliant

ONVIF

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 are ideal for extreme weather condition use.
• Extra vertical 15° tilt angle gives greater view of upper area.

• IP67 rating for protection against moisture and dust
• Corrosion resistant treated housing for salt spray environment use.
• Built in Heater-Blower for minimizing possible effects of condensation under severe temperature changes.

• 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.

• Stainless steel ball bearing assembly to provide extended life with minimized corrosion.
• Water resistance with waterproof shaft and oil seal with stainless steel structure.

• ZDP - Zero Deviation Positioning technology ensures high precision and accuracy when using PTZ preset programming by minimizing deviation of presets and patrol positions over time.
• High precision closed-loop stepper motors and gears provide accuracy, smoothness, stability and quietness of Pan/Tilt movements.

FUNCTIONALITY

- IP video resolution supports up to 1080p60
- Video Output: IP (H.264/H.265), Triple video streaming.
- True WDR: 120dB
- Tail-Cable Type A provides additional features: Alarm Input/Output, RS485(Not Activated), Audio In/Out, CVBS video.
- 3D Positioning
- IR Illumination: 100 meters Adaptive
- ±105° tilt / ±360° pan range, Adaptive speed 0.1°-150°/s
- 255 Presets, Speed: 150°/s, 8 Cruises
- Rain wiper available.

Tail-Cable Type N

Tail-Cable Type A

Product Specification

Model No.	SD520BHDG-RNAP
Camera	**20X**
Image Sensor	1/2.8" CMOS 2MP
Lens	20X, 6.7~134mm, 16X Digital Zoom
Horizontal Angle of View	58.7°(W)~3.9°(T)
Aperture	F1.5(W)~F3.4(T)
Min. Illumination	0.002 lux(F1.6, AGC ON, Color), 0.0002 lux(F1.6, AGC ON, B/W)
Shutter Speed	1/6~1/8000s
Focus	Auto, Push
White Balance	Auto, Manual
Exposure	Auto,Manual,Shutter/Iris Priority
Day/Night	YES
Backlight Compensation	YES
WDR	YES, 120db
Privacy Zone Masking	YES
Defog	YES
Motion Detection	YES, 4 Zones
Noise Reduction	2D/3D
S/N Ratio	≥50db
Mechanical	
Pan Movement	Horizontal: ±360° continuous pan (Zoom Adaptive Speed Range: 0.1°〜150°/S)
Tilt Movement	Vertical:+90° to -15° (Zoom Adaptive Speed Range: 0.1°〜90°/S)
Preset Position	255 (Preset Speed: 150°/S)
Home Position	YES
Cruise	Support up to 8 different path movements
Environmental	Outdoor/Indoor, IP67, Corrosion Resistant Treated Housing
Infrared	The adaptive infrared can be synchronized with different zoom angle. Illumination distance is up to 100 Meters.
Network	
Video Compression	MJPEG,H.264, H.265
Resolution/Frame Rate	1080p: 60/50/30/25fps; 720p:30/25fps
Protocols	L2TP,IPv4,IGMP,ICMP,ARP,TCP,UDP,DHCP,PPPoE,RTP,RTSP,QoS,DNS,DDNS,NTP,FTP,UPnP,HTTP,SNMP,SIP
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
OSD	Customized OSD
Compatible Integration	ONVIF 2.4
Interface	
Video: IP Network	10M/100M/1000M Base-TX Ethernet, RJ45
Video: Analog (Tail-Cable A)	1XBNC
Audio I/O (Tail-Cable A)	Input: Impedance 35kΩ, Amplitude 2V [p-p]; Output: Impedance 600kΩ, Amplitude 2V [p-p]
Alarm I/O (Tail-Cable A)	Alarm Input X1, Alarm Output 1X1
Control (Tail-Cable A)	RS485 (Not Activated)
Edge Storage	Micro SD, Up to 128GB (Optional)
General	
Operating Temperature	-40℃ to +60℃
Operating Humidity	80% Suitable for Use
Power Input	AC 24V, PoE 80W Ready (Bolin PoE 80W Injector needed, optional)
Power Consumption	10W (Close IR) 20W (Open IR)
Dimension	Φ210×333mm
Weight	5.5kg
Rain Wiper	Optional

ORDER INFORMATION

- SD520BHDG-RNAP   (IP)
- SD520BHDG-RNAPW (IP, Wiper)
- Bolin PoE 80W Power Injector sold seperately. Model number:BL-PP80
- Tail-Cable Type N camera (model without A) is available for special order.

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