

● 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(IEEE 802.3 bt)
- ONVIF Compliant

DESIGN



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



- 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.



- Adaptive illumination with intelligent sensors to auto adjust for lighting conditions to output optimal image quality.



- 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.



- Hardened metal alloy casing shape are ideal for extreme weather condition use.
- Extra vertical 15° tilt angle gives greater view of upper area.



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



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

FUNCTIONALITY

- Bolin Starlight IP PTZ camera provides great color image at night in low light environment. Min. Illumination: 0.002 lux in color
- IP video resolution supports up to 1080p60
- Video Output: IP (H.264/H.265), Triple video streaming.
- True WDR: 120dB
- IR Laser Illumination: 500 meters Adaptive
- 360 degree pan and 105 degree tilt range of movement with extreme slow and quiet and smooth speed adjustable PTZ control.
- Adaptive speed 0.1°~80°/s, 255 Presets, Speed: 80°/s, 8 Cruises, 3D Positioning
- Design for extreme weather use: IP67 rating for outdoor use. Corrosion Resistant treated housing for salt spray environment. -40°C to +60°C operating temperature.
- Rain wiper is included.



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(IEEE 802.3bt) (Bolin PoE 97W High Power POE Injector recommended, Optional)
Power Consumption	Min: 20W (Static state with no movement); Max: 45W (Fully loaded operation with heater and IR LED on)
Dimension	Φ210×333mm
Weight	5.5kg
Rain Wiper	YES

ORDER INFORMATION

- SD520BHDG-RNAPW (IP, Wiper)
- Bolin 97W High Power POE Injector sold separately. Model number: BL-PP97
- Wall Mount: SD-WM • Ceiling Mount: BL-SD-CMS