

- SD520SHD-B-RSNAP
- SD530SHD-B-RSNAP

## KEY FEATURES



- TRUE Dual Output: 3G-SDI(1080p, 1080i)+IP Simultaneous
- SDI Resolution: Up to 1080p60, 1080i59.94
- Zoom: 20X, 30X, 12X Digital Zoom
- Extreme quiet PTZ movement
- Control: VISCA RS422, PELCO-D RS485, IP
- Environmental: IP67
- Power: AC 24V, POE 80W

## DESIGN



- Bolin Dual Output PTZ cameras provide simultaneous 3G-SDI and IP video outputs for local no latency video and remote IP video streaming.
- It is a TRUE Dual Output PTZ, which outputs SDI with 1080i or 1080P and IP 1080P where other cameras only support SDI 1080P +1080P IP



- 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.



- 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.



- 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

- SDI video resolution supports up to 1080p60, 1080i59.94; IP video resolution supports up to 1080P30.
- Extreme quiet and smooth speed adjustable PTZ movements. (Noise of pan/tilt movement is NO greater than 54db)
- 3D Positioning, Store Color Parameter to a specified preset
- IR Illumination: 100 meters Adaptive
- ±105° tilt / ±360° pan range, Adaptive speed 0.1°-150°/s
- 255 Presets, Speed: 150°/s adjustable.
- Rain wiper available.
- SDI video output ONLY PTZ camera is available.



Tail-Cable

## ORDER INFORMATION

- |                             |                                     |                                |
|-----------------------------|-------------------------------------|--------------------------------|
| • SD520SHD-B-RSA (SDI)      | • SD520SHD-B-RSAW (SDI, Wiper)      | • SD520SHD-S-RSA (SDI)         |
| • SD520SHD-B-RSNAP (SDI+IP) | • SD520SHD-B-RSNAPW (SDI+IP, Wiper) | • SD520SHD-S-RSAW (SDI, Wiper) |
| • SD520SHD-S-RSNAP (SDI+IP) | • SD520SHD-S-RSNAPW (SDI+IP, Wiper) |                                |
- Model with "B" Class for Broadcast use; Model with "S" Class for Security or other use.
  - Bolin PoE 80W Power Injector sold separately. Model number:BL-PP80 • 30X zoom camera model starts with SD530 is available.

# Product Specification

Model No.	SD520SHD-B-RSNAP	SD520SHD-B-RSA	SD530SHD-B-RSNAP	SD530SHD-B-RSA
<b>Camera</b>	<b>20X</b>		<b>30X</b>	
Image Sensor	1/2.8 inch CMOS 2.13MP		1/2.8 inch CMOS 2.13MP	
Lens	20X, 4.7~94mm, 12X Digital Zoom		30X, 4.3~129mm, 12X Digital Zoom	
Horizontal Angle of View	59.5°(W)~3.3°(T)		63.7°(W)~2.3°(T)	
Aperture	F1.6(W)~F3.5(T)		F1.6(W)~F4.7(T)	
Min. Illumination	Color: 0.01 lux (F1.6,AGC on,1/30s, High sensitive mode), 0.1 lux(F1.6,AGC on,1/30s, Normal sensitive mode)		Color: 0.01 lux (F1.6,AGC on,1/30s, High sensitive mode), 0.1 lux(F1.6,AGC on,1/30s, Normal sensitive mode)	
Shutter Speed	1/1~1/10000s			
Focus	Auto, Push			
White Balance	Auto,Indoor,Outdoor,Manual,OPW,ATW			
Exposure	Auto,Manual,Shutter/Iris Priority			
Day/Night	YES			
Backlight Compensation	YES			
WDR	YES, 130db			
Privacy Zone Masking	-			
Defog	YES			
Motion Detection	YES			
Noise Reduction	2D/3D			
S/N Ratio	≥50db			
<b>Mechanical</b>				
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.			
<b>Network</b>	<b>ONLY apply to the model number with "N"</b>			
Video Compression	MJPEG,H.264			
IP Resolution/Frame Rate	Supports: 1080p:30/25, 720p:30/25/PAL (Coming Soon: 1080p60/50, 720p60/50)			
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			
<b>3G-SDI Signal</b>				
3G-SDI	Signal Fluctuations 800mv +/-10% (external cable extension requirements 75-5, 128 twisted pair shielding , coaxial cable)			
SDI Signal Format	B Class 1080p: 60/59.94/50/30/29.97/25, 1080i: 60/59.94/50, 720p: 60/59.94/50/30/25			
<b>Interface</b>				
Network	10M/100M Base-TX Ethernet, RJ45	-	10M/100M Base-TX Ethernet, RJ45	-
Control Interface	IP, RS485,RS422	RS485,RS422	IP, RS485,RS422	RS485,RS422
Control Protocol	Pelco-D / IP Onvif / VISCA	Pelco-D / VISCA	Pelco-D / IP Onvif / VISCA	Pelco-D / VISCA
Audio I/O	Input: Impedance 35kΩ, Amplitude 2V [p-p]; Output: Impedance 600kΩ, Amplitude 2V [p-p], (Not activated to None-IP models)			
Alarm I/O	Alarm Input X1, Alarm Output 1X1			
Edge Storage	Micro SD, Up to 64GB(Optional)	-	Micro SD, Up to 64GB	-
<b>General</b>				
Operating Temperature	-40°C to +60°C			
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	5.0kg			
Rain Wiper	Optional			

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Focus	Auto, Push			
White Balance	Auto,Indoor,Outdoor,Manual,OPW,ATW			
Exposure	Auto,Manual,Shutter/Iris Priority			
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