

● EX1020BHDG-L5NAP1

KEY FEATURES



- Min. Illumination: 0.002Lux in color
- IP Resolution: Up to 1080P60
- Zoom: 20X 16X Digital Zoom
- Video Output: IP
- 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.
- Nitrogen filled housing ensures moisture free air inside the camera housing and provides added protection against effects of condensation due to harsh environments.



- Adaptive IR Laser illumination with intelligent sensors to auto adjust for lighting conditions to output optimal image quality.
- Distance up to 500 meters.



- 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.
- Resistance to high wind, wind load durability: 60m/s.
- Extra vertical 30° 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 120 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. Wind Load Durability: 60m/s, Nitrogen Filled Housing, -40°C to +60°C operating temperature.

EX1000-MB
Upright MountEX1000-WM
Wall Mount

Product Specification

Model No.	EX1020BHDG-L5NAP1
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°~80°/s)
Tilt Movement	Vertical: +90° to -15° (Zoom Adaptive Speed Range: 0.1°~90°/s)
Preset Position	255 (Preset Speed: 80°/s)
Home Position	YES
Cruise	Support up to 8 different path movements
Environmental	Outdoor, IP67, Corrosion Resistant Treated Housing, Wind Load Durability: 60m/s, Nitrogen Filled Housing
Illumination	IR Laser. The adaptive IR Laser can be synchronized with different zoom angle. Illumination distance is up to 500 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	
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	100% Suitable for Use
Power Input	AC 24V, DC±24V, PoE(Compatible with IEEE802.3bt), (Bolin PoE 97W High Power POE Injector recommended, Optional)
Power Consumption	Min: 23W(Static state with no movement); Max: 50W (Fully loaded operation with heater and IR Laser on)
Dimension	Φ183×428mm
Weight	10.5kg

ORDER INFORMATION

- EX1020BHDG-L5NAP1 (IP, Nitrogen Filled)
- Bolin 97W High Power POE Injector sold separately. Model number: BL-PP97
- Wall Mount: EX1000-WM • Base Mount: EX1000-MB • Ceiling Mount: BL-EX-CMS, BL-SD-CMS