EX1000 SERIES — PRO Dual Output SDI+IP PTZ Camera

EX1030SHD-B-LSN2P1

SD II P TRUE Dual Output
Onvif
VISCA
4K

KEY FEATURES

- TRUE Dual Output: 3G-SDI(1080p, 1080i)+IP Simultaneous
- SDI Resolution: Up to 1080p60, 1080i59.94
  IP Resolution: Up to 1080p60
- Zoom: 30X, 12X Digital Zoom
- Image Stabilizer and True WDR 130dB
- Environmental: IP67
- Power: AC 24V, POE(IEEE802.3bt)
- PELCO D/P, Visca, Visca Over IP, Onvif IP

DESIGN

IMAGE

Bolin EX1000 Series PTZ camera equipped with high-sensitive, high-quality Sony image module provides crisp and superb Full-HD image quality even in low-light environments. Wide range of features for versatile operation: Low Latency Mode, 120dB true WDR, De-fog, HLC(High Light Compensation), Auto ICR. And comprehensive image parameter (Exposure/White Balance/Focus) setting for broadcast, Pro AV and survalianse applications.

SD II P TRUE Dual Output

- Bolin Dual Output PTZ cameras provide simultaneous 3G-SDI and IP video outputs for local no latency video and remote IP video steaming.
- It is a TRUE Dual Output PTZ, which SDI and IP video formats can be set independently. It outputs IP 1080p60/30 when SDI is set to 1080i59.94/29.97.
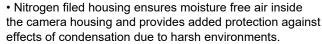
- Double sided coating on optical glass with dust and water resistant properties.
- High definition coating to allow increased penetration of light.

- Hardened metal alloy casing shape are ideal for extreme weather condition use.
- Resistance to high wind, wind load durability: 60m/s.
- Extra vertical 30° tilt angle gives greater view of upper area.

IP67 TESTED & APPROVED

- IP67 rating for protection against moisture and dust
- Corrosion resistant treated housing for salt spray environment use.
- Nitrogen filed housing ensures moisture free air inside the camera housing and provides added protection against effects of condensation due to harsh environments.

- 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 For High Accuracy

- 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

- SDI video resolution supports up to 1080p60, 1080i59.94;
  IP video resolution supports up to 1080P60.
- Extreme quiet and smooth speed adjustable PTZ movements.
- 3D Positioning, Store Image parameter to a specified preset
- ±120° tilt / ±360° pan range, Adaptive speed 0.1°-80°/s
- 255 Presets, Speed: 80°/s adjustable.
- IR Laser Illumination: 500 meters Adaptive
- RS422/485(Visca/Pelco P/D), IP(Visca Over IP/Onvif IP), RTSP, RTMP supported.
- Firmware upgrade via IP
- Explosion Protection Level: IEC/IECEX, Ex nR IIB T4 Gc

EX1000-WM

EX1000-MB

Upright Mount   Pendent Mount

BOLIN TECHNOLOGY

www.bolintechnology.com

Product Specification

Model No	EX1030SHD-B-LSN2P1	EX1030SHD-B-LSA1
Camera	30X	
Image Sensor	1/2.8" CMOS 2.13MP	
Lens	30X, 4.3~129mm, 12X Digital Zoom	
Horizontal Angle of View	63.7°(W)~2.3°(T)	
Aperture	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)	
Shutter Speed	1/1~1/10000s	
Focus	Auto Focus, Manual Focus, One Push Trigger	
White Balance	AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp	
Exposure	Full Auto, Gain, Shutter Priority, Iris Priority, Manual, Bright	
Day/Night	YES	
Backlight Compensation	YES	
WDR	YES, 120db	
Privacy Zone Masking	YES	
Defog	YES	
Motion Detection	YES	
Noise Reduction	2D/3D	
S/N Ratio	≥50db	
Low Latency Mode	YES	
Mechanical		
Pan Movement	Horizontal:360° continuous pan (Zoom Adaptive Speed Range: 0.1°∽ 80°/s)	
Tilt Movement	Vertical:+90° to -30° (Zoom Adaptive Speed Range: 0.1° ∽ 90°/s)	
Preset Position	255(Preset Speed: 80°/s)	
Home Position	YES	
Cruise	Support up to 4 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	**ONLY apply to the model number with "N2"**	
Video Compression	MJPEG,H.264/H.265	-
IP Resolution/Frame Rate	1920x1080p60/50/30/25, 1280x720p60/50	-
Protocols	TCP/IP, ICMP, ARP, RTP, SIP, UDP, HTTP, DNS, DHCP, FTP, NTP, RTMP, RTSP	-
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(Duplex Communicate Supported, Audio/Video synchronization)	-
OSD	Customized OSD	-
Compatible Integration	ONVIF2.4 (Profile S), VISCA Over IP	-
3G-SDI Signal		
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	
Standard	SMPTE 292(1.5Gb/s), SMPTE 425-A(3Gb/s) With SMPTE352 SDI Metadata Supported	
On-Screen Title	YES, SDI video embeded On-Screen title character generator	
Interface		
Network	10M/100M Base-TX Ethernet, RJ45	Not Activated
Control Interface	IP, RS485,RS422	RS485,RS422
Control Protocol	Pelco-D/P, IP Onvif, Visca, Visca Over IP	Pelco-D/P, Visca
Audio I/O	Input: Impedance 35kΩ, Amplitude 2V [p-p]; Output: Impedance 600kΩ, Amplitude 2V [p-p], (Not avtivated for None-IP models)	
Alarm I/O	Alarm Input X1, Alarm Output 1X1 (Not activatd with IP Feature)	
FW Upgrade	Via IP	Via Serial Port (Not available for end-user to upgrade)
General		
Operating Temperature	-40 to +60	
Operating Humidity	100% Suitable for Use	
Power Input	AC 24V, DC±24V, PoE(Compatibable with IEEE802.3bt), (Bolin PoE 97W High Power POE Injector recommended, Optional)	AC 24V, DC±24V
Power Consumption	Min: 39W (Static state with no movement); Max: 60W (Fully loaded operation with heater and IR Laser on)	
Dimension	Φ180×423mm	
Weight	10.2kg	

ORDER INFORMATION

- EX1030SHD-B-LSN2P1 （SDI+IP）   • EX1030SHD-B-LSA1 （SDI）
- Bolin 97W High Power POE Injector sold seperately. Model number:BL-PP97
- Wall Mount: EX1000-WM   • Base Mount: EX1000-MB   • Ceiling Mount: BL-EX-CMS, BL-SD-CMS

All models and specifications are subject to change without notice.