

SD600HD Intelligent Laser High Speed Dome Camera

SD600HD Series of cameras is specially designed for outdoor with Intelligent PTZ features. With ultra sensitive CMOS sensors with various zoom ratio optical modules, images with the highest picture qualities are possible.

With hardened casing and high precision engineering, these cameras can operate in the most extreme conditions including under high humidity and wet weather.

SD600HD Series of cameras will provide quality and stability to set the industry's standard for high performance HD IP speed dome cameras.



ONVIF



Key Features

High Definition Picture Quality : 4K、3MP、1080P、720P

High Zoom Ratio Lens : 20X、30X

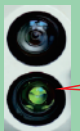
High Speed Smooth Pan Tilt System : Horizontal 360 Degrees Continuous Rotation, Vertical 90 Degrees

Temperature Control System: Operating Temperature -40°C to $+60^{\circ}\text{C}$

Various New Selection : Intelligent Adaptive Laser Illumination, Auto Day Night Transition, Image Stabilizer, WDR

Various Video Analytics : Motion Tracking, Object Left Behind, Traffic Violations, Auto Tracking, Counting, Illegal Line Crossing

High Precision Mechanical Design



High Definition Optical Glass
Double Sided Coating
External Coating for Water Resistance

High Definition Optical Glass from Switzerland, complete with Double Sided Coating prevents water seepage and increases light penetration of up to additional +5%. This latest optical glass is also dust and water moisture resistant.



Uniquely designed Hardened Metal Alloy Casing is suitable for extreme weather conditions. There is an All in One Laser product built into the speed dome. This allows objects to be clearly visible with the highest resolution at 0 lux extreme low light condition of up to 300 meters.



High Precision Stainless Steel Ball Bearing

Use of special high-precision Stainless Steel Bearings and Stainless Steel Shaft. This will guarantee the camera's pan tilt mechanism to be stable, reliable and long lasting.



Wiper

Wiper design allows ease of cleaning to ensure clarity of picture.



High Precision Gears will ensure smooth motor performance.

High Precision Stepping Motors and Gears ensure Smooth Movement, Stability, Precision, and Low Noise.

Image Enhancement Functions

Normal WDR



Super WDR



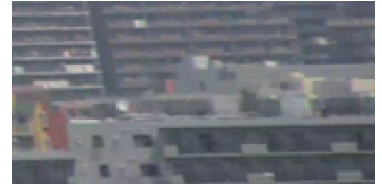
Normal HD Effect



Improved Picture Effects



Normal Fog



Initiate Defog Function



Intelligent Laser Illumination: According to various zoom ratio, the laser will be synchronized with different angle illumination. This will satisfy various low light environment monitoring.

Adaptive Laser Illumination Distance: Up to 300 Meters

Day Night Switching Function: IR-Cut

Guard Tour Presets: Predefine 4 zones. When a defined zone detects motion, camera will automatically move to that respective area for the defined dwell period and then return to home position.

Preset Time Task Activation: For 7 days a week, set up to 8 periods of specific task movements. Automatically set up these task movements.

Image Stabilizer Function: Under slight moving conditions of the camera, this function will stabilize picture for quality recording of video.

Video Analytics

License Plate Recognition
Car Model Recognition



Target Object Loss or
Object Left Behind



Traffic Violations



Smoke Detection



Facial Recognition



Traffic Flow Counting



Auto Tracking, Illegal Line Crossing and Illegal or Abnormal Movement and Assembly.

Flexible Combinations

Signal Output

IP
HD-SDI
CVBS
WiFi
4G

Installation Methods

Wall Mount
Pole Mount
Hoisting Installation
Wall Corner Mount

Mechanical Specifications

Pan / Tilt Angle	Horizontal : ± 360 degrees continuous pan (Highest Speed:220 degrees / sec) Vertical: 0 degrees to -90 degrees(Max Speed:160 degrees/sec)
Preset Position	255 (Speed : 300 degrees / sec)
Home Position	Support
Cruise	Can support up to 8 different path movements
Environmental	IP66
Adaptive Laser Illuminator	According to various zoom ratio, the laser will be synchronized with different angle illumination. This will satisfy various low light environment monitoring. Laser illumination distance is up to 300 Meters.
Operating Temperature	-40 °C to +60 °C
Operating Humidity	100% Suitable for Use
Power Input	AC24V (POE: Optional)
Power Consumption	10W (Close Laser Beams) 30W (Open Laser Beams)
Dimension	$\Phi 210 \times 333$ mm
Weight	7.2KG

Camera Specifications

	20X S	20X B	30X S	30X B	30X / 3MP
Image Sensor	1/2.8" CMOS 2.38MP	1/2.8" CMOS 2MP	1/2.8" CMOS 2.38MP	1/2.8" CMOS 2MP	1/2.8" CMOS 3MP
Lens	4.7~94mm	4.7~94mm	4.3~129mm	5~150mm	4.5~135mm
Horizontal Angle of View	59.5°(W)~3.3°(T)	62°(W)~3.1°(T)	63.7°(W)~2.3°(T)	62.9°(W)~2.3°(T)	61.5°(W)~2.1°(T)
Aperature	F1.6(W)~F3.5(T)	F1.6(W)~F3.3(T)	F1.6(W)~F4.7(T)	F1.6(W)~F4.8(T)	F1.6(W)~F4.8(T)
Min. Illumination	0.05 lux (F1.6,50IRE,Color) 0.001 lux(F1.6,50IRE,B/W)	0.025 lux(F1.6,50IRE,Color) 0.0025 lux(F1.6,50IRE,B/W)	0.19 lux(F1.6,50IRE,Color) 0.02 lux(F1.6,50IRE,B/W)	0.025 lux(F1.6,50IRE,Color) 0.0025 lux(F1.6,50IRE,B/W)	0.03 lux(F1.6,50IRE,Color) 0.01 lux(F1.6,50IRE,B/W)
Shutter Speed	1/1~1/10000s	1/6~1/8000s	1/1~1/10000s	1/6~1/8000s	1/6~1/8000s
Resolution	1080P60,1080P50,1080P30, 1080P25,1080i60,1080i50, 720P30,720P25	1080P30,1080P25, 720P30,720P25	1080P60,1080P50,1080P30, 1080P25,1080i60,1080i50, 720P30,720P25	1080P30,1080P25, 720P30,720P25	1080P30,1080P25, 720P30,720P25
Focus	Auto、Push				
White Balance	Auto、Manual				
Exposure	Auto、Manual、Shutter、Iris、Indoor 50HZ、Indoor 60HZ				
Day / Night	Support				
BLC	Support				
WDR	Support				
Defog	Support				
Noise Reduction	2D/3D				
S/N Ratio	≥ 50 db				

IP Specifications

Video Compression	MJPEG、H.264 High Profile
Frame Rate	1080P (1920*1080) MAX:60 FPS、720P(1280*720) MAX:30 FPS、D1(720*576) MAX:25 FPS
Protocols	IPv4、IGMP、ICMP、ARP、TCP、UDP、DHCP、PPPoE、RTP、RTSP、QoS、DNS、DDNS、NTP、FTP、UPnP、HTTP、SNMP、SIP、GB/T28181、ONVIF IP Auto Adaptations, Effective monitoring even under data loss environment
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
Special Function	UNP Technique, resolve Private Network NAT throughput, support movement testing, audio testing, various intelligent functions.
OSD	Customized OSD, Support Side Hook and Artistic Font
Storage	Support 32GB Local Storage (Optional)

HD-SDI Signal and Control

HD-SDI	Signal Fluctuations 800mv $\pm 10\%$ (external cable extension requirements 75-5, 128 twisted pair shielding , coaxial cable)
Signal Format	1080P60、1080P50、1080P30、1080P25、1080i60、1080i50、720P60、720P50、720P30、720P25
Control Protocol	Pelco RS-485

Ordering Information

BLC-SD620HD-L3S

BLC-SD630HD-L3S

(HD-SDI Signal)

BLC-SD620HD-L3N

BLC-SD630HD-L3N

(IP Signal)

BLC-SD630HD3M-L3NV

30x 3MP Ultra Low Light camera using the latest new generation high sensitivity

3MP CMOS sensors. Picture Quality up to 2048 x 1536 resolution. Low light condition

recordings are greatly improved when compared to traditional cameras.

Installation Diagram

