

HD20 HD Integrated Box Zoom Camera

HD20 series box zoom cameras are designed for indoor and outdoor application with intelligent design. It is equipped with HD auto zoom sensor all-in-one module.

With ultra sensitive CMOS sensors with various zoom ratio optical modules, images with the highest picture qualities are possible.

HD20 series box zoom cameras will provide stability and high performance to set the industry's standard for HD IP box cameras.



ONVIF



Key Features

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

Auto Variable Focus Lens : 20X、30X

Temperature Control System : Operating Temperature -40°C to +60°C

Various New Selection : Auto Day Night Transition, Image Stabilizer, Wide Dynamic Range, OSD Menu

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

Day Night Switching Function: IR-Cut

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

Image Enhancement Functions and Video Analytics

Normal HD Effect



Improved Picture Effects



Normal WDR



Super WDR



Target Object Loss or Object Left Behind



Facial Recognition



Camera Specifications

	20X		30X		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)
Aperture	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	
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	≥50db				

Mechanical Specifications

Environmental	IP65
Operating Temperature	-40℃ to +60℃
Operating Humidity	<80%
Power Input	DC12V
Power Consumption	7.2W
Dimension	122*64*77mm (SDI) 、 146*64*77 (IP)
Weight	0.84KG (SDI) 、 0.9KG (IP)

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 +/-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-HD20-N	BLC-HD30-N	BLC-HD30-N (3MP)	(IP Signal)
BLC-HD20-S	BLC-HD30-S		(SDI Signal)

Installation Diagram

