DH-SDZW2030S-N

2MP 30x Starlight IR Zoom Network Camera

· 1/2.8" 2Megapixel Exmor R CMOS
· Powerful 30x optical zoom
· Starlight technology
· H.265 Encoding
· Max. 50/60fps@1080P, 25/30/50/60fps@720P
· IVS(Optional)
· IR distance up to 150m
· IP66

H.265 | WDR | 0.005Lux | ICR D/N | IP66

System Overview

Featuring with powerful optical zoom and 1080p resolution, the SDZW series zoom camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 50/60 fps, with 30x optical zoom, and has very excellent low light performance due to adopting the latest starlight technology. SDZW series zoom camera is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Starlight Technology

Thanks to our experience and expertise in hardware and software development , the camera is equipped with the latest image processing algorithm, high performance hardware and high quality optical components, which make the camera have very exellent low light performance. In most conditions, this camera can deliver clear, bright and low-noise color images.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

H.265

The camera supports H.265 encoding, which provides a savings of more than 50% of bandwidth and storage compared with H.264. This technology can help our customers to reduce the cost of the project and improve the transmission efficiency.

Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) and PSIA (Physical Security Interoperability Alliance) specifications, ensuring interoperability between network video products regardless of manufacturer.

ONVIF **PSIA**

Technical Specification

Camera

Image Sensor	1/2.8" Exmor R CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	512M/128M
Scanning System	Progressive
Minimum Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6(IR on)
S/N Ratio	More than 55dB
IR Distance	150m(492ft)
IR On/Off Control	Auto / Manual
IR LEDs	4

Lens

Focal Length	4.5mm~135mm
Max. Aperture	F1.6 ~ F4.4
Angle of View	H: 67.8° ~ 2.4°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

Intelligence

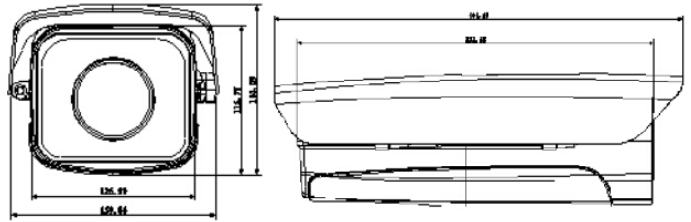|	
Auto Tracking	N/A
IVS (optional)	Tripwire, Intrusion,Abandoned/Missing, Face Detection

Video

Compression		H.265/H.264 / MJPEG
Streaming Capability		3 Streams
Resolution		1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main stream	1080P/720P(1 ~ 50/60fps), 1.3M(1 ~ 25/30fps)
	Sub stream1	D1/CIF(1 ~ 25/30fps)
	Sub stream2	1080P/1.3M/720P/D1/ CIF (1 ~ 25/30fps)
Bit Rate Control		CBR/VBR
Bit Rate		H.265/H.264: 448K ~ 8192Kbps, MJPEG: 5120K ~ 10240Kbps
Day/Night		Auto(ICR) / Color / B/W
Backlight Compensation		BLC / HLC / WDR (120dB)
White Balance		Auto,ATW,Indoor,Outdoor,Manual
Gain Control		Auto / Manual
Noise Reduction		Ultra DNR (2D/3D)
Motion Detetion		Support
Region of Interest		Support

Electronic Image Stabilization (EIS)	Support
Defog	Support
Digital Zoom	16x
Privacy Masking	Up to 24 areas

Audio

Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/ MPEG2-L2

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP, UDP,UPnP, ICMP,IGMP,SNMP,RTSP,RTP, SMTP, NTP,DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	20 users
Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, Mirco SD card 128GB
Web Viewer	IE10/Google/Firefox/Safari...
Management Software	Smart PSS, DSS
Smart Phone	iPhone, iPad, Android, Windows Phone

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1

Interface

Video Interface	N/A
Audio Interface	1/1
RS485	1
RS232	N/A
Alarm	2/1

Electrical

Power Supply	DC12V/5A
Power Consumption	10W, 50W(IR on)

Environmental

Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	Φ404mm×164mm×132mm
Net Weight	4.0kg(8.82lb)

Ordering Information

Type	Part Number	Description
2MP Zoom Camera	DH-SDZW2030S-N	2MP 30x Starlight IR Zoom Network Camera, WDR, PAL
	DH-SDZW2030SN-N	2MP 30x Starlight IR Zoom Network Camera, WDR, PAL
	SDZW2030S-N	2MP 30x Starlight IR Zoom Network Camera, WDR, PAL
	SDZW2030SN-N	2MP 30x Starlight IR Zoom Network Camera, WDR, PAL
Accessories	DC12V/5A	Power Supply
	PFB600W	Ceiling Mount
	PFB601W	Ceiling Mount

Dimensions (mm)

Accessories

Optional :

DC12V/5A
Power Supply

PFB600W
Ceiling Mount

PFB601W
Ceiling Mount