

# DH-SDZ2030S-N

2MP 30x Starlight Zoom Network Camera



- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 30x optical zoom
- Starlight technology
- H.265 Encoding
- Max. 50/60fps@1080P, 25/30/50/60fps@720P
- IVS
- Support PoE



## System Overview

Featuring with powerful optical zoom and 1080p resolution, the SDZ 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. SDZ 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 excellent low light performance. In most conditions, this camera can deliver clear, bright and low-noise color images.

### High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

### 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.

### Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments.

### 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.

### Technical Specification

#### Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	512M/128M
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/300,000s
Minimum Illumination	Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6
S/N Ratio	More than 55dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

#### 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

#### DORI Distance

\*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Detect	Observe	Recognize	Identify
1862m(6109ft)	744m(2441ft)	372m(1220ft)	372m(1220ft)

#### Intelligence

Auto Tracking	N/A
IVS	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
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#### 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, Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS
Smart Phone	IOS, Android

#### Certifications

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

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

#### Electrical

Power Supply	DC12V/1.5A, PoE(802.3af)
Power Consumption	10W

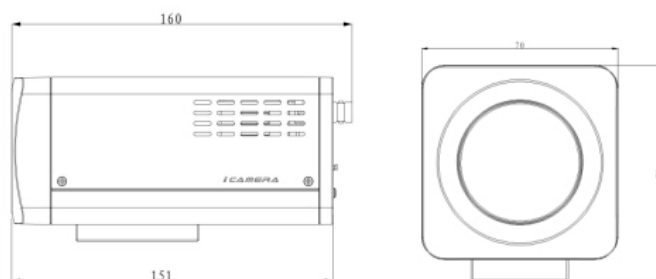
#### Environmental

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

Construction

Casing	Metal
Dimensions	Φ160mm×70mm×70mm
Net Weight	1.0kg(2.20lb)

### Dimensions (mm)



### Ordering Information

Type	Part Number	Description
2MP Zoom Camera	DH-SDZ2030S-N	2MP 30x Starlight Zoom Network Camera, WDR, PAL
	DH-SDZ2030SN-N	2MP 30x Starlight Zoom Network Camera, WDR, NTSC
	SDZ2030S-N	2MP 30x Starlight Zoom Network Camera, WDR, PAL
	SDZ2030SN-N	2MP 30x Starlight Zoom Network Camera, WDR, NTSC
Accessories	DC12V/1.5A	Power Supply
	PFH610N	Housing
	PFH610N-W	Housing

### Accessories

Optional :



DC12V/1.5A  
Power Supply



PFH610N  
Housing



PFH610N-W  
Housing

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