![Sunell]

SN-CHP8650CDR(-K)-Z30-SS

5MP 30x IR Explosion-proof Network Camera

Key Features

- 1/2.8" STARVIS™ CMOS

- 30x optical zoom,16x digital zoom

- Supports detection and capture of faces, humans, and vehicles, as well as smoke and flame detection.

- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, and people counting.

- True WDR, 3D DNR, ICR, HLC, BLC, Defog

- IR distance up to 100m

- -K: Support fiber optical interface

- Material: 316L Stainless steel, IP68 water resistant

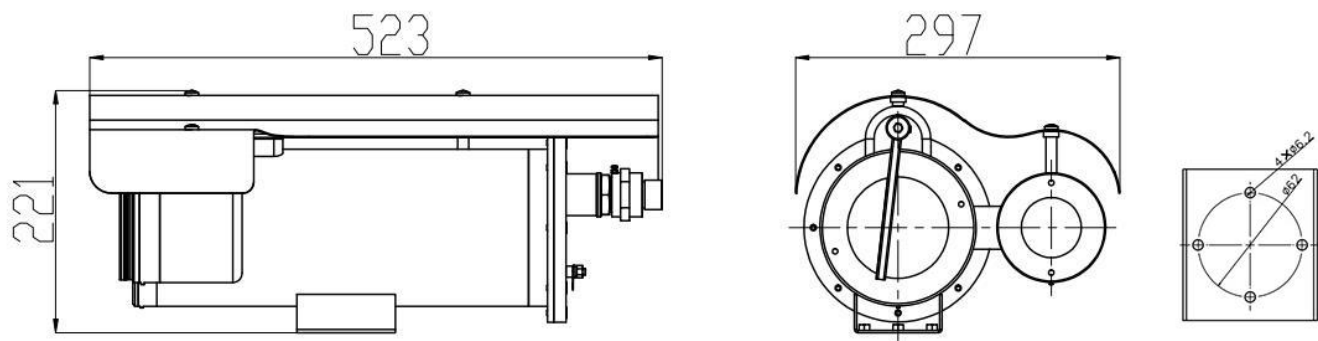- ATEX: II 2 G Ex db IIC T6 Gb, Ex II 2 D Ex tb IIIC T80°C Db

Specification

Camera

Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	5MP, 2592(H) × 1944(V)
Min. illumination	Color: 0.07 Lux @ (F1.6, AGC ON), B/W: 0.02 Lux @ (F1.6, AGC ON), 0 Lux with IR
Electronic Shutter	Auto/Manual, 1/5 to 1/100,000s
Day & Night	Auto (ICR)
Wide Dynamic Range	True WDR
Wiper	Support

Lens

Focal Length	5.3 to 159 mm, 30x Optical Zoom
Max. Aperture	F1.6 to F4.3
Angle of View	H: 56.3° to 2.7°, V: 42.4° to 2.0°
Zoom Speed	Approx. 2.5 s
Digital Zoom	16x
Iris Control	Auto/Manual
Focus Control	Auto/Manual/Semi-automatic

DORI Distance

Detection	104 to 3,120 m (341.2 to 10,236.2 ft)
Observe	41.6 to 1,248 m (136.5 to 4,094.5 ft)
Recognize	20.8 to 624 m (68.2 to 2,047.2 ft)
Identify	10.4 to 312 m (34.1 to 1,023.6 ft)

DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.

Illuminator

Illuminator Type	IR
Illumination Distance	Up to 100m (328.1 ft)
Illumination On/Off Control	Auto/Manual

Intelligent Analytics

Multi-Object Detection	Support face, human, vehicle detection and capture

Smoke and Flame Detection	Support
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, Smart Motion Detection (support the accurate detection of vehicle and human)
People Counting	Support

Video and Audio

Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 kbps to 12 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps
Smart Encoder	Support
Region of Interest (ROI)	Support
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 kbps (G.711), 128 kbps (RAW_PCM)

Image

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Setting	Indoor, Outdoor, Mirror
Exposure Mode	Auto, Manual, Shutter priority, Iris priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR, Anti-shake
Privacy Masking	Support 8 zones, mask color configurable

Event

Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Action	Alarm record, SMTP upload, FTP upload, Alarm output, Audible alarm output

Network

Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
User/Host Level	Up to 10 users, 3 levels: Administrator, Operator, Media user

Security	IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Interface

Network Interface	1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port
Fiber Optical	-K: 1 single module fiber interface
Audio Interface	1ch Input, 1ch Output
Alarm Interface	2ch Input, 1ch Output
RS-485	Support
CVBS Interface	Support
SD Card Slot	Built-in, up to 256GB
Reset Button	Built-in

General

Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	100 to 240VAC
Power Consumption	Less than 36W
Operating Temperature	-40°C to 60°C (-40°F to 140 °F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP68
Certifications	ATEX: Ex II 2GD Ex db IIC T6 Gb /Ex tb IIIC T80°C Db; IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80°C Db
Material	SUS316L
Dimensions	523 × 297 × 221 mm (20.6 × 11.7 × 8.7 inch)
Net Weight	16.2 kg (35.71 lb)

Dimensions (mm)

Accessories

Optional:

SN-BK401A-SS
Wall Mount

SN-BK404
Pole Mount

SN-BK405-SS
Corner Mount

SN-BK400-SS(P/F/D)
Junction Box

SN-CPL10A-SS
Washing Tank

Flexible Tube