SUNELL

SN-IPV7180HDAR-Z

8MP IR Motorized Varifocal Turret Network Camera
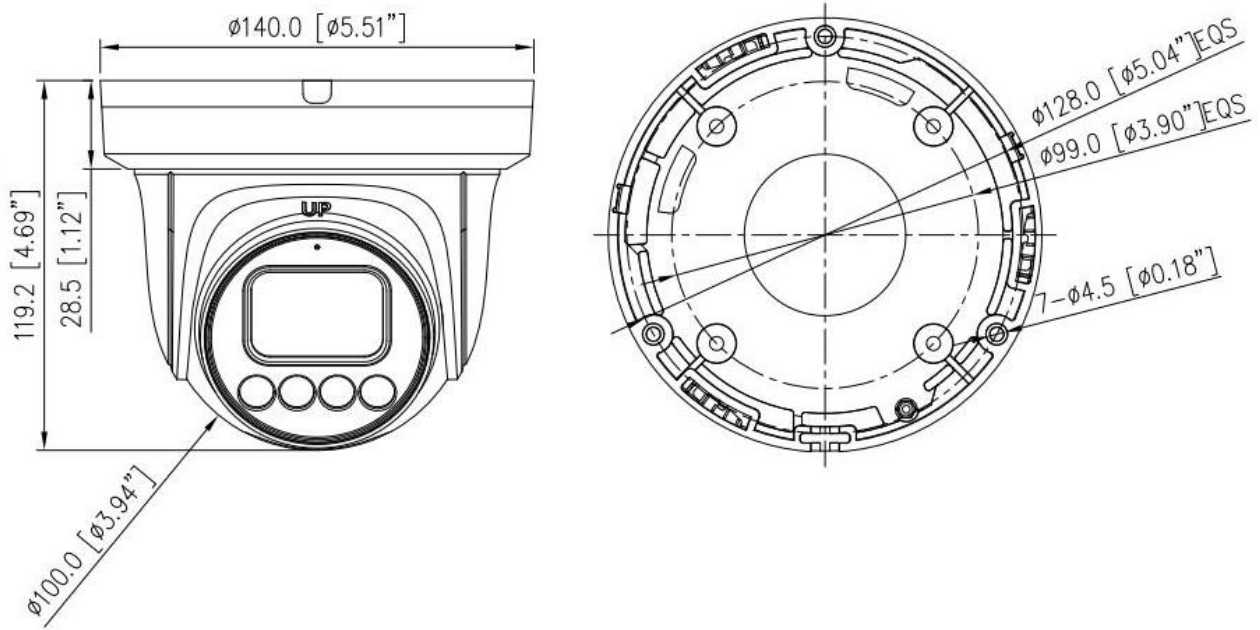
Key Features

- 1/2.7" progressive scan CMOS

- Max. 8MP(3840×2160) @25fps resolution

- 2.7 to 13.5mm motorized lens

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

- Support face, human, vehicle detection

- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, people counting and smart motion detection

- 1/1 audio in/out, 1/1 alarm in/out

- Built-in microphone and SD card slot

- Smart IR distance up to 40m

- IP66

Specification

Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	8MP (3840×2160)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Angle Adjustment	Pan: 0˚ to 355˚, Tilt: 0˚ to 80˚, Rotation: 0˚ to 360˚

Lens

Lens Type	Motorized focus
Iris	Fixed Iris
Focal Length	2.7 to 13.5 mm
F Number	F1.6
Angle of View	H: 102.8° to 32.6°, V: 54.5° to 18.3°

DORI

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	Wide	96 m (282.2 ft)	38.4 m (126 ft)	19.2 m (63 ft)	9.6 m (31.5 ft)
	Tele	272 m (892.4 ft)	108.8 m (357 ft)	54.4 m (178.5 ft)	27.2 m (89.2 ft)

Illuminator

Illuminator Type	IR
Illumination Distance	Up to 40 m (131.2 ft)
Illumination On/Off Control	Auto/Manual

Video

Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 3840×2160, 2880×1620, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25fps Stream2: D1, VGA, CIF @ 25fps Stream3: VGA, CIF, QVGA @ 25fps (Enable WDR is 20fps)
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200Kbps to 16Mbps Stream2: 100Kbps to 6Mbps Stream3: 100Kbps to 3Mbps
Region of Interest	Off/On (8 areas, Rectangle)
Smart Encode	Support

Audio

Compression	G.711, RAW_PCM
Bit Rate	64Kbps (G.711), 128Kps (RAW_PCM)

Image

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Aisle Mode	Support
Mirror	Support

White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Smart IR	Support
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog
Wide Dynamic Range	True WDR
S/N Ratio	55dB
Motion Detection	Support
Privacy Masking	4 areas
Smart Function	
Multi-Object Detection	Supports face, human, vehicle detection
Intelligent Analytics	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection Support alarm triggering by specified target types (human and vehicle)
People Counting	Support
Basic Events	Disk alarm, Network alarm, I/O alarm, Motion detection alarm, Abnormal sound detection
Network	
Protocols	IPv4/IPv6, RTSP/ RTCP/RTP, TCP/UDP, HTTPS, DHCP, DNS, DDNS, PPPoE, UPnP, ICMP, IGMP, FTP, NTP, SMTP, 802.1x, SNMP
Interoperability	ONVIF, SDK, CGI
Streaming Method	Multicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Input, 1ch Output
Built-in Microphone	Support
Alarm Interface	1ch Input, 1ch Output
Reset Button	Support
SD Card Slot	Built-in, up to 256GB
Electrical	
Power Supply	DC12V (-15% to +25%)/PoE (IEEE 802.3af)
Power Consumption	2.8W (IR OFF), Max 6.5W (IR ON)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE/FCC
Casing	Metal + Plastic
Dimensions	Φ 140×119.2 mm (5.51×4.69 inch)
Net Weight	0.88 kg (1.94 lb)

Dimensions (mm)

Ø140.0 [Ø5.51"]

119.2 [4.69"]

28.5 [1.12"]

Ø100.0 [Ø3.94"]

UP

Ø128.0 [Ø5.04"]EQS

Ø99.0 [Ø3.90"]EQS

7-Ø4.5 [Ø0.18"]

Accessories

Optional：

SN-CBK645D
Junction Box

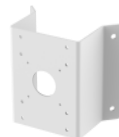SN-CBK206
Pendant Cap

SN-CBK402
Pendant Mount

SN-CBK501
Wall Mount

SN-CBK502
Wall Mount

SN-CBK101
Pole Mount

SN-CBK102
Corner Mount

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