SUNELL

SN-IPV7120HDAR-VZ

2MP IR Motorized Varifocal Turret Network Camera

Key Features

- 1/2.8" progressive scan CMOS

- Max. 2MP(1920×1080) @25/30fps resolution

- 2.7 to 13.5 mm motorized varifocal 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, smart motion detection and people counting

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

- Built-in SD card slot, up to 1TB Micro SD card

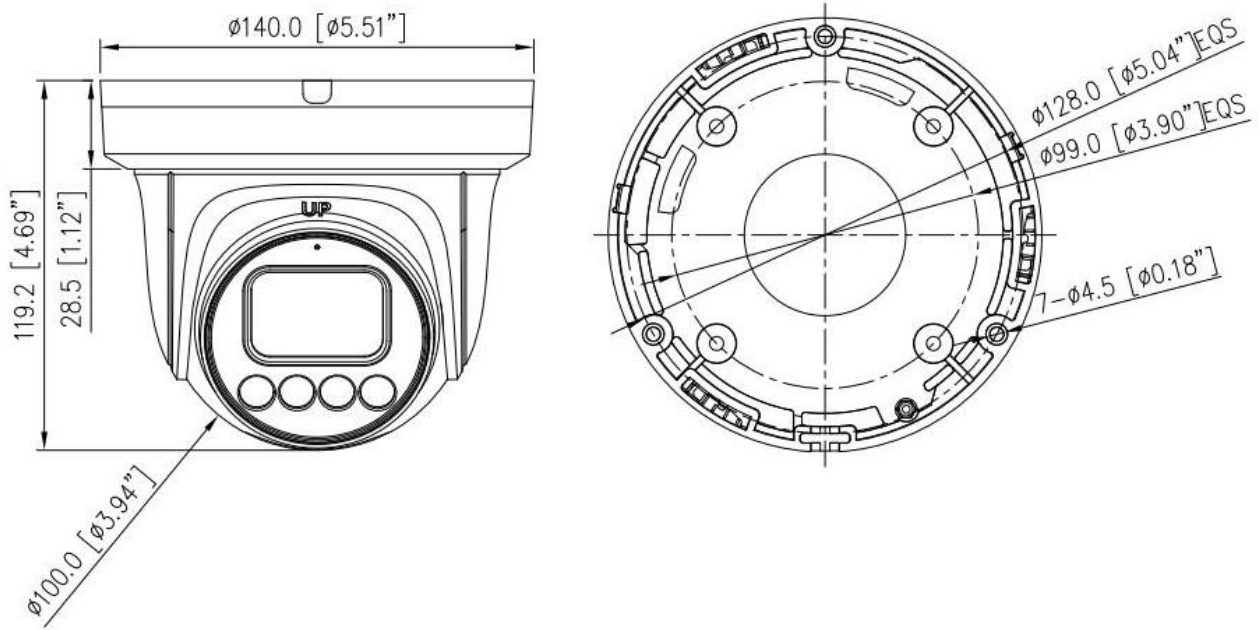- Smart IR distance up to 40m

- IP66 protection

NDAA COMPLIANT

TAA COMPLIANT

Specification

Camera

Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	2MP, 1920(H) × 1080(V)
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
Wide Dynamic Range	True WDR
Angle Adjustment	Pan: 0˚ to 355˚, Tilt: 0˚ to 80˚, Rotation: 0˚ to 360˚

Lens

Lens Type	Motorized focal
Iris	DC Iris
Focal Length	2.7 to 13.5 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 101° to 29.3°, V: 54.4° to 12.6°

DORI Distance

Detect	48 to 140 m (157.5 to 459.3 ft)
Observe	19.2 to 56 m (63 to 183.7 ft)
Recognize	9.6 to 28 m (31.5 to 91.9 ft)
Identify	4.8 to 14 m (15.7 to 45.9 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 40 m (131.2 ft)
Illumination On/Off Control	Auto/Manual
IR wavelength	850 nm

Intelligent Analytics

Multi-Object Detection	Supports face, human, vehicle detection
Intelligent Analysis	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

Video and Audio	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 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
Region of Interest	Off/On (8 areas, Rectangle)
Smart Encode	Support
Audio Compression	G.711 A-law, G.711 μ-law, RAM PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter 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
Privacy Masking	4 areas

Event	
Alarm Triggers	IVS, Motion detection, Alarm input, Disk alarm, Network alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, FTP upload, SMTP 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
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Support
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 1TB
Reset Button	Support
General	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-15% to +25%)/PoE (802.3af)
Power Consumption	Typical: 2.5 W (IR off, 12 VDC) / approx. 3.2 W (PoE) Max: 6.0 W (IR on, 12 VDC) / approx. 7.5 W (PoE)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-3, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy body
Dimensions	φ140 × 119.2 mm (5.51 × 4.69 inch)
Net Weight	0.89 kg (1.97 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-CBK645G
Junction Box

SN-CBK206
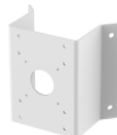Pendant Cap

SN-CBK402
Pendant Mount

SN-CBK501
Wall Mount

SN-CBK502
Wall Mount

SN-CBK101
Pole Mount

SN-CBK102
Corner Mount