

CHeKT 4MP Nightview Varifocal Turret Camera



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CHeKT 4MP Varifocal Turret Camera

- 1/1.8" progressive scan CMOS
- Max. 4MP(2560×1440) @25/30fps resolution
- 3.6 to 11 mm motorized focal lens
- Support face, human, vehicle detection and capture
- True WDR, 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 50m
- Built-in micro SD card slot
- IP66 Protection

Product Features

AI Analytics Engine



CHeKT's advanced tracking algorithm with rich library of detection behaviors

Central Station Integration



AI video alarm signal transmission when using the CHeKT Video Control Panel

Detection Behavior



VIDEO ANALYTICS:
intrusion, single line crossing, double line crossing, loitering, wrong way, peoplecounting

Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	4MP, 2560(H) × 1440(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.0008 Lux @ (F1.3, AGC ON), 0 Lux with light
Day & Night	Auto (ICR)
Wide Dynamic Range	True WDR
Angle Adjustment	Pan: 0° to 355°, Tilt: 0° to 80°, Rotation: 0° to 360°
Lens	
Lens Type	Varifocal lens, Motorized focal
Iris	Fixed Iris
Focal Length	3.6 to 11mm
Max Aperture	F1.3
Field of View	H: 113.8° to 50.9°, V: 59.4° to 28.6°
DORI Distance	
Detect	60 to 130 m (196.85 to 426.51 ft)
Observe	24 to 52 m (78.74 to 170.60 ft)
Recognize	12 to 26 m (39.37 to 85.30 ft)
Identify	6 to 13 m (19.69 to 42.65 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 50m (164.0 ft)
Illumination On/Off Control	Auto/Manual
IR Wavelength	850nm
Intelligent Analytics	
Multi-Object Detection	Supports face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way detection, and Smart motion detection. Support alarm triggering by specified target types (human and vehicle)
People Counting	Support
Event	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output

Video & Audio	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2560×1440, 2304×1296, 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	Off/On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 μ-law, RAM PCM
Audio Bit Rate	64Kbps (G.711), 128Kbps (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
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	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 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Support
Built-in Speaker	Support
Audio Interface	1ch input, 1ch output
Alarm Interface	1ch input, 1ch output
SD Card Slot	Built in, up to 256GB
Reset Button	Support

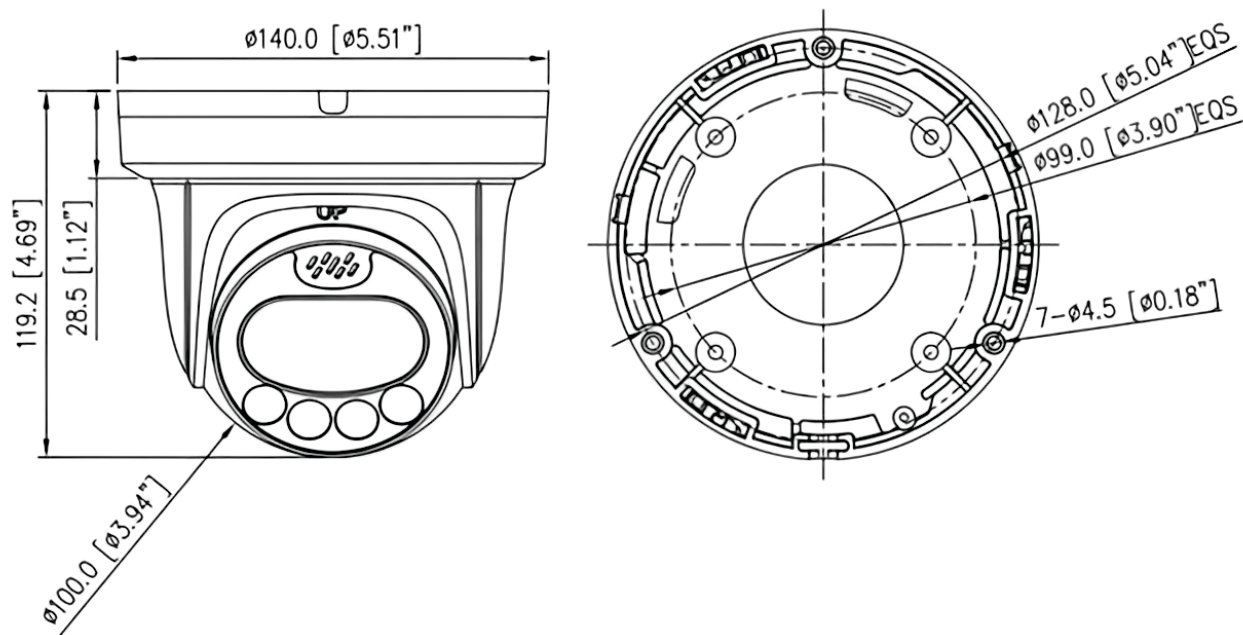


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Specifications

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	Max 10.5 W
Operating Temperature	-40°C to 55°C (-40°F to 131°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 + plastic
Dimensions	φ140 × 119.2 mm (5.51 × 4.69 inch)
Net Weight	0.9 kg (1.98 lb)



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