

CHeKT 4MP 7 Inch 30x IR Network PTZ Camera



CHeKT PTZ Camera

- 1/2.8" progressive scan CMOS
- 30x optical zoom/16x digital zoom
- Intelligent Video AI analysis for intrusion zones, single/double line crossing, loitering and wrong-way detection
- Auto tracking and perimeter protection
- True WDR, 3D DNR, ICR, Defog and Anti-shake
- Smart IR distance up to 200m
- 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	1/2.8" Progressive Scan CMOS
Max. Resolution	2592(H) × 1520(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.07 Lux @ (F1.6, AGC ON), B/W: 0.007 Lux @ (F1.6, AGC ON), 0 Lux with IR
Day & Night	Auto (ICR)
Wide Dynamic Range	True WDR
Wiper	Support

Lens	
Focal Length	5.3 to 159 mm
Max Aperture	F1.6 to F4.3
Angle of View	H:56.3° to 2.7°, V: 33.3° to 1.5°
Optical Zoom	30x
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)

Illuminator	
Illuminator Type	IR
Illumination Distance	IR distance up to 200 m (656.2 ft)
Illuminator On/Off Control	Auto/Manual

Intelligent Analytics	
Multi-Object Detection	Supports face, human, vehicle detection and capture
Smoke/Flame Detection	Support
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way detection, Illegal parking, and Smart motion detection (support the accurate detection of vehicle and human)
People Counting	Support
Smart Tracking	Support

Event	
Alarm Triggers	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)
Alarm Events	CID Alarm w/CHEKT VCP, Alarm record, Alarm output, FTP, SMTP, Audible alarm output, Red and blue light alarm

PTZ	
Pan/Tilt Range	Pan: 0° to 360° endless, Tilt: -10° to +90°
Pan Speed:	Pan Speed: 0.1° to 300°/s, preset speed: 300°/s
Tilt speed	Tilt Speed: 0.1° to 300°/s, preset speed: 300°/s
Presets	400
Patrol Scan	6 Track, 12 Scan, 12 Patrol (up to 32 presets each patrol)
Power-Off Memory	Support
3D Positioning	Support
PTZ Status Display	Support
Idle Motion	The time can be set (1-240 minutes), and functions such as preset positions, patrols, scans, and tracks can be run

Video & Audio	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720 @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	Support
Smart Encoder	Support
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
Mirror	Support
Exposure Mode	Auto/Manual
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog WDR, Anti-shake
Privacy Masking	Supports 40 zones, mask color configurable

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 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Alarm Interface	7ch input, 2ch output
RS-485	Support
BNC Interface	1 BNC (CVBS Output)
SD Card Slot	Built in, up to 256GB



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Specifications

General	
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	24VAC/36VDC/PoE++ (IEEE 802.3bt), Standard Equipped: 36VDC
Power Consumption	Less than 45W
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A12021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Casing	Metal
Dimensions	φ226.1 × 362.8 mm (φ8.9 × 14.28 inch)
Net Weight	5.5 kg (12.13 lb)

