

CHeKT 8MP 180 Panoramic Bullet Camera



CHeKT 180 Panoramic Bullet Camera

- 2×5MP 1/2.8" STARVIS™ CMOS
- Output 180° wide angle splicing image
- Outputs max. 8MP (4608×1728)@15 fps, and supports 2592×1944 @15fps
- Support human and vehicle detection and capture
- Intelligent analysis: intrusion, single/double line crossing, loitering, wrong-way detection, smart motion detection, people counting, smart motion detection and heat map
- True WDR, 3D DNR, ROI, Defog, HLC
- Built-in warm light & IR light, max. illumination distance up to 30m (98.4ft)
- Audio: 1ch in, 1ch out; built-in mic and speaker/ supports two-way talk
- Alarm: 1ch in, 1ch out; built-in SD card slot / up to 1TB
- 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 Bridge

Deep Learning Object



Deep learning based object identification (as Person, Cyclist, Car, Van, Truck, Motorcycle, Bicycle, Bag) removes false object detection

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	4608(H) × 1728(V)
Electronic Shutter	Auto/Manual, 1/5 to 100,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with light ON
Day & Night	AUTO (ICR)
Angle Adjustment	Pan: 0° to 360, Tilt: 0° to 90°, Rotation: 0° to 360°
Lens	
Lens Type	Fixed focus lens, Dual lens: 2.8mm
Iris	Fixed Iris
Focal Length	2.8 mm
F Number	F1.6
Angle of View	H:180°, V:63°
DORI Distance	
Lens 2.8 mm	Detect 44m (144.3ft) Observe 17.6m(57.7ft) Recognize 8.8m(28.9ft) Identify 4.4m(14.4ft)
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	2 (IR LED), 2 (Warm Light)
Illumination Distance	IR distance up to 30m (98.4ft) Warm light distance up to 20m (65.6ft)
Smart Illumination	Support
Video	
Streaming Capability	2 Streams
Main Stream	Splicing mode: 4608×1728 @15fps Multi-channel mode: 2592×1944, 2592×1520, 1920×1080, 1280×720 @15fps
Sub Stream	Splicing mode: 1536×576 @15fps Multi-channel mode: D1, VGA, CIF, QVGA @ 15fps
Bit Rate Control	CBR/VBR
Bit Rate	Splicing mode: Stream1: 500Kbps to 16Mbps Stream2: 200Kbps to 8Mbps Multi-channel mode: Stream1: 500Kbps to 12Mbps Stream2: 100Kbps to 6Mbps
Smart Encode	Support
Region of Interest	Support
Audio	
Compression	G.711, RAW_PCM
Bit Rate	64Kbps (G.711), 128Kbps (RAW_PCM)
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog
Wide Dynamic Range	True WDR
S/N Ratio	55dB
Privacy Masking	4 areas

Smart Function	
Multi-Object Detection	Supports human & vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way and Smart motion detection. Support alarm triggering by specified target types (human and vehicle)
People Counting	Support
Heat Map	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, IGMP, IGMP, FTP, NTP, STMP, 802.1x, SNMP
Interoperability	ONVIF, (profile S/T/G/M), SDK, CGI
Streaming Method	Multicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox
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
Built-in Microphone	Support
Built-in Speaker	Max sound transmission distance of 60m (196.85ft) (45 to 48 dB)
Audio Interface	1ch input, 1ch output
Alarm Interface	1ch input, 1ch output
Reset Button	Support
SD Card Slot	Built-in, up to 1 TB
Electrical	
Power Supply	DC12V (-15% to +20%)/PoE (IEEE 802.3af)
Power Consumption	Max 11.5W
Operating Temperature	30°C - 60°C (-22°F - 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE/FCC
Casing	Metal
Dimensions	227.7×110×80 mm (8.96×4.33×3.15 inch)
Net Weight	0.82kg (1.81lb)

