CHeKT 5MP IR Dome AI IP Camera

ONVIF® | S

5MP IR Dome AI IP Camera

- 30fps at 5MP
- H.265, H.264 and MJPEG Compression
- Embedded CHeKT AI Video Technology
- Deep Learning - Object Detection Classification
- SMART Bitrate Control and Region of Interest
- Remote zoom and focus lens (Auto-focus)

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 OPTEX Video Bridge

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

Detection Zones/Rules
40 rules & zones (Multi-segment Polygons and Lines) as standard

Detection Behavior
Enter, Exit, Appear, Direction, Dwell filter, Tailgating, Area Line Detection
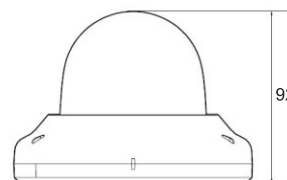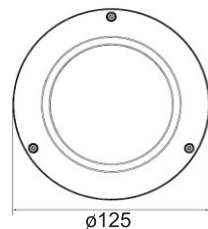
Deep Learning People
Deep learning based on people identification and tracking

Specifications

CAMERA

Model	CKIPAi5MP-D-MR
Image Sensor	SONY STARVIS EXMOR 1/2.8" 5M CMOS
Effective Pixels	2592(H) x 1944(V)
Scanning System	Progressive scanning
AGC Control	Auto
IRIS Type	P-IRIS
Minimum Illumination	Color: 0.08 Lux / B/W : 0 Lux (IR LED On)
Lens	2.7 – 13.5 mm, F1.4
Angle of View	Horizontal: Approx. 98.3° (Wide) to 31.6° (Tele)
Shutter Time	Auto / Manual: 1 /30 ~ 1 /32,000, Anti-Flicker, Slow Shutter (1 /2,1 /3,1 /5,1 /6,1 /7.5,1 /10)
Day & Night	True Day & Night (Removable IR-cut filter)
Wide Dynamic Range	True WDR
S/N Ratio	50 dB

IR ILLUMINATOR

IR LED	2 x High Power LED
IR Working Distance	30 m

VIDEO

Video Compression	H.265, H.264, MJPEG
Profile	H.264 : MP / HP H.265 : MP
Multiple Profile Streaming Performance	2592x1944/30 + 720p30 with H.264,H265 + MJPEG
Max Resolution	2592 x 1944
Video Bit Rate	100Kbps ~ 25Mbps Multi-rate for Preview and Recording
Bitrate Control	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Digital Noise Reduction	3D-DNR
Privacy Mask	16 programmable zones
Special Features	SMART Bitrate Control, Region of Interest
Other Image Processing	Configurable Exposure, White Balance, Sharpness
Image Orientation	Flip / Mirror / Corridor Mode
Analogue Output	1 (Installation only)CVBS 1.0V p-p (75Ω), 4:3 aspect ratio

AUDIO

Audio Streaming	Two-way supported with external equipment.
Audio Compression	G.711 u-law 8KHz, AAC-LC 48Kbps at 8KHz
Audio input	Built-in Mic, Supply voltage : 2.4VDC(3mA), Input impedance : 3K Ohm
Audio output	Line Out, MAX. Output Level : 1Vrms

EVENT

Event Trigger	Motion Alarm, Temperature critical, DI, VCA(AI)
Pre-Post Recording	Pre: 1~5 sec Post: 1~240 sec
Event Notification	CHeKT/OPTEX Video Bridge, FTP, E-mail, Alarm-out, SD card, ONVIF Event Topic

NETWORK

Ethernet Standard	10 /100Base-T
IP	IPv4
Protocol	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authentication
Plug In	ONVIF Profile S, CGI API

GENERAL

Material	Aluminum Die-casting, White
External I/O Terminals	1 x Alarm In / 1 x Alarm Out
Language On Webpage	English
Power Source	DC12V, PoE(IEEE 802.3af)
Power Consumption	DC12V Max 10.5W, PoE Max 12.5W
Operating Conditions	Humidity 10 ~ 90% RH (non-condensing) [DC12V / PoE] -30°C ~ 50°C (-22°F ~ 122°F)
Approvals	FCC, CE, IP67, IK10
NDAA	Compliant
Weight	0.85kg
Dimensions (D x H)	Ø125 x 92 mm

EDGE STORAGE

Storage	1x microSD / microSDHC / microSDXC (card not included)

Specifications & designs are subject to change without prior notice.

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