

6" 33X 8MP AI Vehicle/ Human

Detection POE IP PTZ Camera



Key Features

- 8MP (3840*2160) 25fps.
- 1/2.7" 8MP Low Lux progressive scan CMOS.
- Color: 0.01Lux@ (F1.65, AGC ON), B/W: 0Lux with IR.
- Support 4.5-148.5mm optical lens.
- H.264/H.265 codec supported, multiple streaming.
- Support 3D DNR, DWDR, BLC, HLC, Defog.
- Support Motion Detection, Human/Vehicle Intrusion Alarm, Line Cross, Loitering, Area Enter/Leave, Facial Recognition, Facial Capture, People Count Statistics, Hard Hat Detection, and Crowd Detection.
- Support 1ch alarm output, 1ch alarm input
- Support 1ch audio input, 1ch audio output and 1ch built-in speaker
- Support Local TF Storage (Max. up to 512GB)
- IR Light Range: 200 Meters

Technical parameters

Model	
CAMERA	
System Structure	Embedded Linux Design, watchdog, Support RTC real time clock Dual Core Cortex-A7@950MHz+2Gb RAM + 1Tops NPU+FLASH: 2Gb ROM
Image Sensor	1/2.7" 8MP Low Lux Progressive Scan CMOS
Dynamic Range	HDR Mode: >100dB, Linear Mode: 79dB
SNR	38.8dB
Min. Illumination	Color: 0.01Lux@ (F1.65, AGC ON), B/W: 0Lux with IR
Shutter	(1/10 ~ 1/20000) Support auto and manual electronic shutter
Day/Night Switch	Auto/Manual/Schedule
BLC	Support, auto adjust
3D DNR	Support, auto adjust
LENS	
Focal	4.5mm-148.5mm
Focus Mode	Auto / Manual
Aperture	Max. F1.65
FOV	Wide-Tele; Horizontal: 61.04° ~2.36°, Vertical: 36.89°~1.33°, Diagonal: 68.03°~2.69°
PTZ	
Pan Range	Horizontal 360° continuous rotate

Tilt Range	-15°~90°(auto flip)
Pan Speed	0.1°-1600°/s Speed can be configured
Tilt Speed	0.1°-80°/s Speed can be configured
Proportional Pan	Support
Preset	255
Patrol Scan	16 patrols
Power Off Memory	Support
ILLUMINATOR	
Supplement Light	4pcs Laser Lights + 6pcs high power IR Lights
Control Type	2 groups of High Power IR lights + 2 groups of laser lights auto trigger by zoom ratio
IR Wavelength	850nm
Supplement Light Range	IR: ≤200m
VIDEO	
Video Compression	H.264 / H.265
H.264 Type	Baseline Profile/Main profile/High profile
H.265 Type	Main Profile
Bit Rate Control	CBR/VBR (50kbps~12288kbps)
ROI	Support 1 self-configure ROI zone; Mainstream/Substream
Privacy Mask	Max. support 4 rectangle mask areas
Max. Resolution	3840*2160@22fps
Main Stream	25fps (3840*2160, 2880*1620, 2560*1440, 1920*1080, 1280*720, 720*576, 640*360)
Sub Stream	1280*720, 720*576, 640*360
Picture Parameter Config	Brightness, Contrast, HUE, Saturation, Sharpness can be configured
AUDIO	
Audio Compression	G.711ulaw/G.711alaw/PCM
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)
Audio Sampling Rate	8 kHz
Audio 3A	Acoustic Echo Cancel (AEC) / Automatic Noise Suppression(ANS) / Automatic Level Control (ALC)
Audio Language	Built-in Chinese/English audio alarm sound
NETWORK	
Protocol	TCP/IP, UDP, RTP, RTCP, RTSP, NTP, HTTP, HTTPS, DHCP, SSL/TLS, FTP, DNS, DDNS, PPPoE, 802.1X, IPv4, IPv6, QoS, WebSocket
Interface Protocol	ONVIF, MWP
Security	Support username / password change, ONVIF password authentication, RTSP password authentication, IP address filtering
OSD	Title, date and time OSD, Support 7 lines self-defined OSD
System Upgrade	Support CMS, Web and online OTA upgrade
IMAGE ENHANCEMENT	
Image Rotation	Support image mirror and flip
Corridor Mode	N/A
AI ISP	Support AI ISP
Anti-Flickering	Support anti-flicker function for complex light environment
Network Disconnect	Support 3 network mode (disconnect reboot / disconnect does not reboot / offline mode)
Web Language	Built-in multiple language
INTERFACE	
Power Interface	1pc power interface; DC 12V-DC 24V Self adaptive
Network Interface	RJ45 Network; 10M/100M adaptive
On-board Storage	Built-in Micro SD Card Slot (Max. support 512GB)
Audio Input	1ch audio input (RCA)

Audio Output	built-in speaker + 1ch audio output (RCA)
Alarm Input	1ch alarm input
Alarm Output	1ch alarm output
Normal Event	
Alarm Linkage	Motion Detection
BEHAVIOUR ANALYTICS	
AI Event	Human/Vehicle Intrusion Alarm
Behaviour Analytics (Enable 1 at a time)	
AI Type	Intrusion # Line Cross # Loitering / Enter/Leave
Trigger Type	Human/Vehicle # Human # Human
Detect Speed	≤200ms
Sensitivity	5 level
Detect Areas	Max. 4 areas # 1 area # 1 area
Linkage	Sound / Light / Alarm Output / Platform
Others	Each area support independent alarm linkage # Line Cross Direction # Loitering Time Setup
AI ALGORITHMS (Enable 1 at a time)	
Face Capture	Face Picture/Half body picture optional Support Sound / Light / Alarm Output / Platform
Facial Recognition	Face Picture/Half body picture optional Blacklist/Whitelist Support Sound / Light / Alarm Output / Platform
Absent Alarm	Full Screen Picture Can set time duration that allowed to leave Support Sound / Light / Alarm Output / Platform
Crowd Detection	Full Screen Picture Can set over-load people threshold Support Sound / Light / Alarm Output / Platform
People Count Statistics	Can generate People Count Statistics Bar/Line Chart
OTHERS	
Operational Temperature/Humidity	-30℃~65℃; ≤95%RH
Power Supply	12VDC ~ 24VAC Adaptive / Hi-Poe
Materials	Aluminium
Protection	IP66
Dimension	Φ173mm*293mm

Dimension

