

KX-E4008ITN-L

4 MP AI Enforcement Camera

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.

Time, address, device SN, lane No., plate number, plate



- 1/1.8" 4 MP starlight CMOS sensor.
- Video compression standards: H.265, H.264M, H.264H and MJPEG.
- Maximum resolution: 2688 × 1520@30 fps.
- · Motorized vari-focal lens: 10 mm-50 mm.
- Max ANPR distance: 30 m.
- Protection: IP67, IK10 rated.
- $\boldsymbol{\cdot}$ Under recommended installation and lighting conditions:

Capture rate > 99% LPR accuracy > 98%

Technical Specification		
Camera		
Image Sensor	1/1.8" CMOS	
Image Resolution	2688 (H) \times 1520 (V) (OSD black background is not calculated in the pixels)	
Shutter Mode	Single shutter	
Electronic Shutter Speed	Auto/Manual 1/50 s–1/100,000 s	
Noise Reduction	3D NR	
S/N Ratio	> 56 dB	
WDR	140 dB	
Min. Illumination	0.0001lux	
Illuminator		
Illuminator Number	4 illuminators (3500 K LED illuminator, brightness adjustable)	
Illumination Distance	23 m–30 m (75.46 ft–98.43 ft) (adjustable brightness)	
Lane Coverage	1–2 lanes	
Lens		
Lens	Motorized vari-focal	
Focal Length	10 mm-50 mm	
Max. Aperture	Max. F1.33	
Field of View	Horizontal: 9.4°–40.8° Vertical: 5.4°–22.9° Diagonal: 10.7°–46.9°	
Exposure Mode	Auto; Manual (Select from shutter values or customize shutter range)	
Function		
Trigger Mode	Video trigger/Radar trigger	
Speed Detection Range	0 km/h–180 km/h	

OSD Overlay	color, vehicle logo, vehicle type, vehicle color, vehicle size, vehicle speed, country/region, event (violation name), and motorcycle attributes (type, number of people, and helmet)	
Alarm Event	Storage full; storage error; external alarm; no storage card; license plate blocklist; illegal access; network disconnection; IP conflict	
Automatic Network Replenishment (ANR)	Platform and FTP (TF card is required)	
Auto Registration	Yes	
Intelligence		
Target Detection	Motor vehicle; motorcycle	
ANPR	Adopts developed algorithms to recognize license plate numbers and letters	
Vehicle Type Recognition	Vehicle head: SUV, Large bus, sedan, light truck, pickup, heavy truck, medium truck, van, medium bus, MPV Vehicle tail: SUV, large bus, sedan, light truck, pickup, heavy truck, medium truck, van	
Vehicle Color Recognition	White, pink, black, red, yellow, gray, blue, green, dark orange, purple, brown, and silver gray	
Accuracy (Under recommended installation and lighting conditions)	Capture rate > 99%; LPR accuracy > 98%	
Vehicle Brand/Logo Recognition	Acura; Alfaromeo; Ashokleyland; Astonmartin; Audi; Baic; Bently; Benz; BMW; Buick; BYD; Cadillac; Chery; Chevrolet; Chrysler; Citroen; Dacia; Daihatsu; Datsun; Dodge; DS; Ferrari; Fiat; Force; Ford; Foton; Geely; GMC; Greatwall; Hino; Honda; Hyundai; Infiniti; Isuzu; Iveco; Jac; Jaguar; Jeep; Kia; Kinglong; Land; Lexus; Lifan; Lincoln; Mahindra; MAN; Maserati; Mazda; Mercury; MG; Mini; Mitsubishi; Nissan; Opel; Peugeot; Porsche; Renault; Rollsroyce; Saab; Scania; Seat; Skoda; Smart; Subaru; Suzuki; Tata; Tesla; Toyota; UD; Volkswagen; Volvo	
Motor Vehicle Violation Capture	Speeding; driving slow; wrong-way driving; illegal lane change	
Motorcycle Violation Capture	Captures traffic violations including carrying passenger, not wearing helmet, and wrong-way driving	



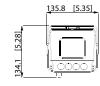
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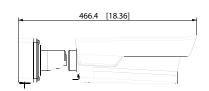
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Traffic Flow Detection	Statistics on vehicle flow, average speed, vehicle type, lane occupancy, average time headway, average queue length, and road status
Traffic Event	Motor vehicle illegal stopping on the roadway; traffic congestion
Video	
Video Compression	H.265; H.264M; H.264H; MJPEG
Video Resolution	4M (2688 × 1520); 1080p (1920 × 1080); UXGA (1600 × 1200); 720p (1280 × 720); D1 (704 × 576); CIF (352 × 288)
Video Frame Rate	Max. 30 fps; main stream (2688 \times 1520@25 fps), sub stream (1600 \times 1200@25 fps)
Video Bit Rate	H.264: 32 kbps–32767 kbps H.265: 32 kbps–32767 kbps MJPEG: 512 kbps–32767 kbps
Bit Rate Control	CBR; VBR
White Balance	Auto; Manual; Outdoor; Natural; Street Lamp; Partial white balance
Edge Enhancement	Yes
HLC	Yes
BLC	Yes
Bad Pixel Correction	Yes
Gain Range	0–100
Image	
Composite Image	Supports combining up to 3 source images, and 1 close-up image into a composite image $$
Image Resolution	2688 (H) \times 1520 (V) (OSD black background is not calculated in the pixels)
Image Encoding Format	JPEG
Image Tampering Prevention	Verifies watermarks in videos and images
Network	
Network	
Network Port	$1 \times \text{RJ-45}$ Ethernet port, $10/100/1000 \text{ M}$ network transmission
Network Port	transmission
Network Port SDK and API	transmission Yes Authorized username and password, MAC address
Network Port SDK and API Security	transmission Yes Authorized username and password, MAC address binding, HTTPS encryption, and network access control
Network Port SDK and API Security Protocol	transmission Yes Authorized username and password, MAC address binding, HTTPS encryption, and network access control IPv4; IPv6; HTTP; TCP; IP; UDP; NTP; DHCP
Network Port SDK and API Security Protocol Interoperability	transmission Yes Authorized username and password, MAC address binding, HTTPS encryption, and network access control IPv4; IPv6; HTTP; TCP; IP; UDP; NTP; DHCP ONVIF (Profile S/Profile G/Profile T) Microsoft Edge IE: IE9—IE11 Chrome: Chrome 41 and earlier Firefox: Firefox 49 and earlier

Port		
Storage	1, supports maximum 512 GB TF card local storage	
RS-485	2, connects to devices such as radars	
RS-232	2, con is used for serial debugging and R T $\mbox{\bf G}$ is for connecting to radars	
Audio Input	1 channel	
Audio output	1 channel	
Alarm Input	3 channels	
Alarm Output	2 channels. 2 for relay	
General		
Power Supply	12–36 VDC, PoE	
Power Consumption	≤ 13 W	
Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)	
Storage Temperature	-40 °C to +65 °C (-40 °F to +149 °F)	
Operating Humidity	10%-90% (RH)	
Storage Humidity	0%-90% (RH)	
Protection	IP67, IK10, defog	
Product Dimensions	466.4 mm × 135.8 mm × 134.1 mm (18.36" × 5.35" × 5.28") (L × W × H)	
Net Weight	3.9 kg (8.59 lb)	
Gross Weight	4.8 kg (10.58 lb)	
Installation	Installs with universal mounting brackets, or as a side-mount with mounting brackets.	

Dimensions (mm[inch])





side-mount with mounting brackets.