

# KX-EB5998BITN

## 5MP ANPR Camera Traffic



- 1/1.8" 5MP starlight SONY GS CMOS sensor.
- Video compression standards: H.265, H.264M, H.264H and MJPEG.
- Maximum resolution: 2960 × 1668@25 fps.
- Motorized vari-focal lens: 10mm - 50mm.
- High-speed capture.
- Max ANPR distance: 30 m, up to 60 m video storage.
- Protection: IP67, IK10 rated.
- Support Ryder technology, lightning protection 5000V.
- Under recommended installation and lighting conditions: capture rate > 99%, LPR accuracy > 98%

Camera	
Image Sensor	1/1.8" SONY GS CMOS
Image Resolution	2960 (H) × 1668 (V) (OSD black background is not calculated in the pixels)
Shutter Mode	Single shutter
Electronic Shutter Speed	Auto/Manual 1/50 s–1/1,000,000 s
Noise Reduction	3D NR
S/N Ratio	> 56 dB
WDR	150 dB
Min. Illumination	0.0001lux
Illuminator	
Illuminator Number	4 illuminators (850 nm LED illuminators, adjustable brightness)
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–220 km/h
OSD Overlay	Time, address, device SN, lane No., plate number, plate 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 blacklist; 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; Audi; Baic; Bentley; Benz; BMW; Buick; BYD; Cadillac; Chery; Chevrolet; Chrysler; Dacia; Daihatsu; Datsun; Dodge; DS; Ferrari; Fiat; Force; Ford; Foton; Geely; GMC; Hino; Honda; Hyundai; Infiniti; Isuzu; Jac; Jaguar; Jeep; Kia; Kinglong; Land; Lexus; Lifan; Lincoln; Mahindra; MAN; Maserati; Mazda; Mercury; MG; Mini; Mitsubishi; Nissan; Opel; Peugeot; Porsche; Renault; Rollsroyce; Subaru; Suzuki; Tesla; Toyota; UD; Volkswagen; Volvo;...
Motor Vehicle Violation Capture	Speeding; driving slow; wrong-way driving; illegal lane change

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Motorcycle Violation Capture	Captures traffic violations including carrying passenger, not wearing helmet, and wrong-way driving
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
<b>Video</b>	
Video Compression	H.265; H.264M; H.264H; MJPEG
Video Resolution	5MP(2960 × 1668); 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 (2960 × 1668@25 fps) Sub stream (1600 × 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
<b>Image</b>	
Composite Image	Supports combining up to 3 source images, and 1 close-up image into a composite image
Image Resolution	2960 (H) × 1668 (V) (OSD black background is not calculated in the pixels)
Image Encoding Format	JPEG
Image Tampering Prevention	Verifies watermarks in videos and images
<b>Network</b>	
Network Port	1 × RJ-45 Ethernet port, 10/100/1000 M network transmission
SDK and API	Yes
Security	Authorized username and password, MAC address binding, HTTPS encryption, and network access control
Protocol	IPv4; IPv6; HTTP; TCP; IP; UDP; NTP; DHCP
Interoperability	ONVIF (Profile S/Profile G/Profile T)
Browser	Microsoft Edge IE: IE9–IE11 Chrome: Chrome 41 and earlier Firefox: Firefox 49 and earlier
Positioning	GPS
Time Synchronization	NTP; GPS
<b>Port</b>	
Storage	1, supports maximum 1TB 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 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
<b>General</b>	
Power Supply	12–36 VDC, PoE
Power Consumption	≤ 13 W
Operating Temperature	–40 °C to +70 °C
Storage Temperature	–40 °C to +70 °C
Operating Humidity	10%–90% (RH)

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Storage Humidity	0%-90% (RH)
Protection	IP67, IK10, defog
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.
Product Dimensions	466.4 mm × 135.8 mm × 134.1 mm (18.36" × 5.35" × 5.28") (L × W × H)

