



PSS4AITRAFFIC



- 1/1.8" 4MP Starlight CMOS Sensor
- H.265 & H.264 dual codec.
- Max. resolution: 2688 x 1520@25fps.
- Motorized vari-focal lens: 10mm-50mm.
- Max ANPR IR distance: 30m.
- Protection: IP67, IK10 rated.



Specifications

PSS4AITRAFFIC	
Camera	
Image Sensor	1/1.8" CMOS
Image Resolution	2688 (H) x 1520 (V) (OSD black background is not calculated in the pixels)
Shutter Mode	Single Shutter
Electronic Shutter Speed	Auto, manual 1/50 s - 1/10,000 s
Noise Reduction	3D NR
S/N Ratio	>56 dB
WDR	90 dB
Min. Illumination	0.0001lux
Day/Night	Supports ICR auto switch: IR cut-off filter (IRCF) with the polarizing filter is used during the daytime, & switches to the common IR cut-off filter at night
Illuminator	
Illuminator Number	4 illuminators (830 nm LED illuminators, adjustable brightness)
IR Light	Yes
Illumination Distance	23m - 30m (75.46 ft - 98.43 ft) (adjustable brightness)
Lane Coverage	1-2 lanes
Lens	
Lens	Motorized Vari-Focal
Focal Length	10mm - 50mm
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 Detection, radar
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) & motorcycle attributes (type, number of people & helmet.)
Alarm Event	Storage full, storage error, external alarm, no storage space, license plate blocklist, illegal access & security fault
Automatic Network Replenishment (ANR)	Platform & FTP (TF card is required)
Auto Registration	Yes
Intelligence	
Target Detection	Motor vehicle, motorcycle
ANPR	Adopts developed algorithms to recognize license plate numbers & letters
Vehicle Type Recognition	Vehicle head: large bus, heavy truck, medium truck, sedan, van, light truck, medium bus, SUV, MPV & pick up. Vehicle tail: SUV, large bus, sedan, light truck, pickup, medium truck, van & heavy truck



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	Overload, not wearing helmet
Traffic Flow Detection	Statistics on vehicle flow, average speed, vehicle type, lane occupancy, average time headway, average queue length & 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. 25 fps; main stream (2688 × 1520@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	CBD, 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 & 1 close-up image into a composite image
Image Resolution	2688 (H) x 1520 (V) (OSD black background is not calculated in the pixels)
Image Encoding Format	JPEG
Image Tampering Prevention	Verifies watermarks in videos & images
Network	
SDK & API	Yes
Network Port	1 x RJ- 45 Ethernet Port, 10/100/1000 M network transmission



Positioning	GPS
Time Synchronization	NTP, GPS
Security	Authorized username & password, MAC address binding, HTTPS encryption & network access control
Browser	IE: IE 9 - 11 Chrome: Chrome 41 & earlier Firefox: Firefox 49 & earlier For Win 10 users, run the browser as administrator
Port	
Storage	1, supports max. 256 GB TF card local storage
RS-485	1, connects to devices such as radars
RS-232	2, con is used for serial debugging & RTG is for connecting to radars
Audio Input	1 channel
Audio Output	1 channel
Alarm Input	3 channel
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%
Storage Humidity	10%–90%
Protection	IP67, IK10 rated
Certifications	CE: E234884-A6183-IT-1/4789603556-1 FCC: 4789603556-2 UL: E234884-A6183-X3
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

Accessories



PFA150
Pole Mount

