



Vehicle video evidence.

AI Traffic Series: Motorised Lens 4.0MP bullet camera with AI-enhanced ANPR

Specially designed for number plate enhancement, Traffic AI Series number plate cameras are designed to obtain video evidence with vehicle identification in controlled environments with challenging lighting conditions. Enhanced with AI, this series has superior plate recognition compared to earlier ANPR models and additional smart features.

- Stream beyond HD 4.0MP (2688 x 1520) at 25fps
- Available in standard & zoom varifocal lens options
- Automatic number-plate recognition (ANPR)
- AI-enhanced plate capture and vehicle detection
- Edge enhancement for number plate detail & legibility
- Supports shutter speed windowing; set min/max speed
- Highlight compensation removes headlight glare
- Capture number plates for vehicles up to 120km/h
- Identify vehicle size, colour & direction with AI
- IP67 weather & vandal resistant metal housing



Automatic Number Plate Recognition



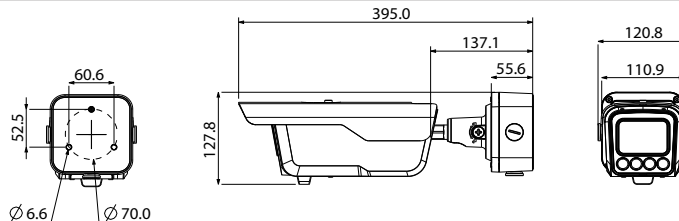
Detailed OSD Configuration



Pedestrian & Vehicle AI Detection

Specifications		4.0MP Number Plate Bullets + AI Enhanced ANPR		
Ordering Information		VSIPNP-4BIRM-I3	VSIPNP-4BIRM-I3-Z	
Camera	Image Sensor	1/1.8" 4.0MP Progressive Scan CMOS		
	Effective Pixels	2688 (H) x 1520 (V)		
	RAM / ROM	1 GB / 4 GB		
	Min Illumination	0.001 Lux/F1.4 (Color), 0.0002 Lux/F1.4 (IR on)	0.001 Lux/F1.6 (Color), 0.0002 Lux/F1.6 (IR on)	
	S/N Ratio	>56 dB		
	LED Illumination	1x Red/Blue Indicators		
Lens	Infrared System	4 x Infrared LED, 10m range (ANPR) 30m range (video), Auto/manual on/off control	4 x Infrared LED, 30m range (ANPR) 60m range (video), Auto/manual on/off control	
	Lens / Iris	2.7 ~ 12mm F1.4 Motorised Varifocal Lens with Auto Iris	8 ~ 32mm F1.3 Motorised Varifocal Lens with Auto Iris	
	Field of View	Horizontal: 92°~46°, Vertical: 49°~26°, Diagonal: 109°~ 53°	Horizontal: 40°~15°, Vertical: 22°~9°, Diagonal: 47°~ 17°	
DORI	Focus	Auto / Manual / Area Focus		
	Detect (25px/m)	60m (W), 129m (T)	160m (W), 407m (T)	
	Observe (63px/m)	24m (W), 52m (T)	64m (W), 163m (T)	
	Recognise (125px/m)	12m (W), 26m (T)	32m (W), 81m (T)	
	Identify (250px/m)	6m (W), 13m (T)	16m (W), 41m (T)	
Video	Resolution	4.0MP (2688 x 1520) to CIF (352 x 288)		
	Frame Rate	Main	4.0MP (1 ~ 25fps)	
		Sub	720p (1 ~ 25fps)	
		Third	N/A	
	Video Compression	H.265 / H.264M / H.264H / H.264B / H.265 / MJPEG / H.264M		
	Bit Rate	H.264B / H.264M / H.264H / H.265: 2,179 kbps~13,074 kbps, MJPEG: 6,537 kbps~39,223 kbps		
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)		
	Day/Night	Auto (ICR) / Color / B&W / IR filter		
	Lighting Compensation	BLC / HLC / WDR (140dB)		
	Smart Scene Adaptive	Yes		
	Gain Control	Auto / Manual		
	White Balance	Auto / Manual / Regional Custom / Outdoor / Natural / Street Lamp		
Noise Reduction	3D DNR			
Picture Control	N/A			
IVS	Intelligent Functions	Number Plate Edge Enhancement, Number Plate Recognition, Video Detection, I/O Coil, Snapshot, OSD (Time, Location, Number Plate, Lane No.), Barrier Control (1ch Relay Out), Vehicle Data Structuring (Speed, Colour, Type etc.)		
	Vehicle Recognition	Vehicle Type, Speed, Logo, Series, Color, Number Plate, Size, Features of Driver and Front-seat Passenger, Vehicles without Plate. Vehicle recognition rate ≥96%		
	Detection Range / Rate	Capture Range: 3 ~ 8m / Lane Width: 3 ~ 4m / Detection Rate: ≥99%	Capture Range: 8 ~ 30m / Lane Width: 6 ~ 8m / Detection Rate: ≥99%	
	Max. Detection Speed	80km/h	120km/h	
	Max. Passed Vehicles	10,000		
Network	Whitelist/Blacklist	Whitelist: 110,000 / Blacklist: 110,000		
	Ethernet	RJ-45 (10/100/1000 Base-T)		
	Protocol	HTTP; Https; 802.1x; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; IPv4/v6; NTP; SFTP; DDNS; SNMP; PPPoE		
Interface	Max. User Access	20		
	Video Interface	N/A		
	Audio Interface	Built-in Mic (3m Pick-up Distance) & Built-in Speaker		
	Alarm Interface	2 Input / 2 Output		
	RS485	2x ports		
	Edge Storage	MicroSD Card Slot (up to 256GB)		
Environmental	Interoperability	ONVIF / ITSAPI / CGI / P2P		
	Power Supply	12VDC / PoE+ (802.3at)		
	Power Consumption	<6W (standby), <12W (light), <17W (Speaker and Red/Blue lights)		
	Operating Conditions	-30° ~ +65° C / 10 ~ 90% RH		
	Ingress Protection	IP67		
	Vandal Resistance	K10		
	Housing	Aluminum alloy + Plastic		
	Pan/Tilt/Rotation	N/A		
Dimensions	395 x 121 x 128mm			
Net Weight	2.3kg			

Application



Pole Mount

VSBKTA150

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