

Active Online
SECURITY

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
- Up to 8~32mm motorised lens (40 ~15°) focal length
- 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 going up to 120km
- Identify vehicle size, colour & direction with AI
- IP67 weather & vandal resistant metal housing



Automatic Number Plate Recognition



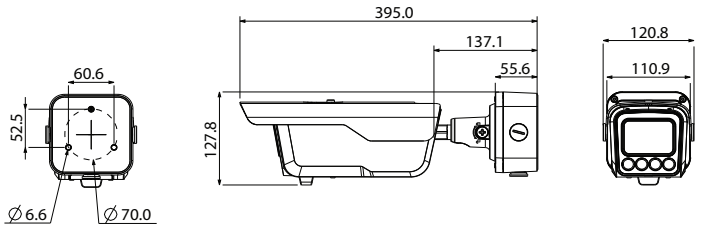
Detailed OSD Configuration



Vehicle Data Structuring with AI

	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	
	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	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°
	Focus		Auto / Manual / Area Focus	
DORI	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 (1920 x 1080) to CIF (352 x 288, 352 x 240)	
	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	
	Whitelist/Blacklist		Whitelist: 110,000 / Blacklist: 110,000	
Network	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	
	Max. User Access		20	
Interface	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)	
	Interoperability		ONVIF / ITSAPI / CGI / P2P	
Environmental	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

Your local VIP Vision™ IP solutions professional:

Active Online SECURITY

www.activeonline.com.au 1300 816 742