Vehicle video evidence.

AI Traffic Series: Motorised Lens 2.0MP & 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 up to 4.0MP (2688 x 1520) at 25fps
- 10 ~ 50mm motorised lens (41~ 9°, DC auto iris)
- 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
- Capture vehicles details going up to 60km
- Identify details including vehicle model, colour, series, logo, vehicles without number plates & more
- IP67 weather & vandal resistant metal housing
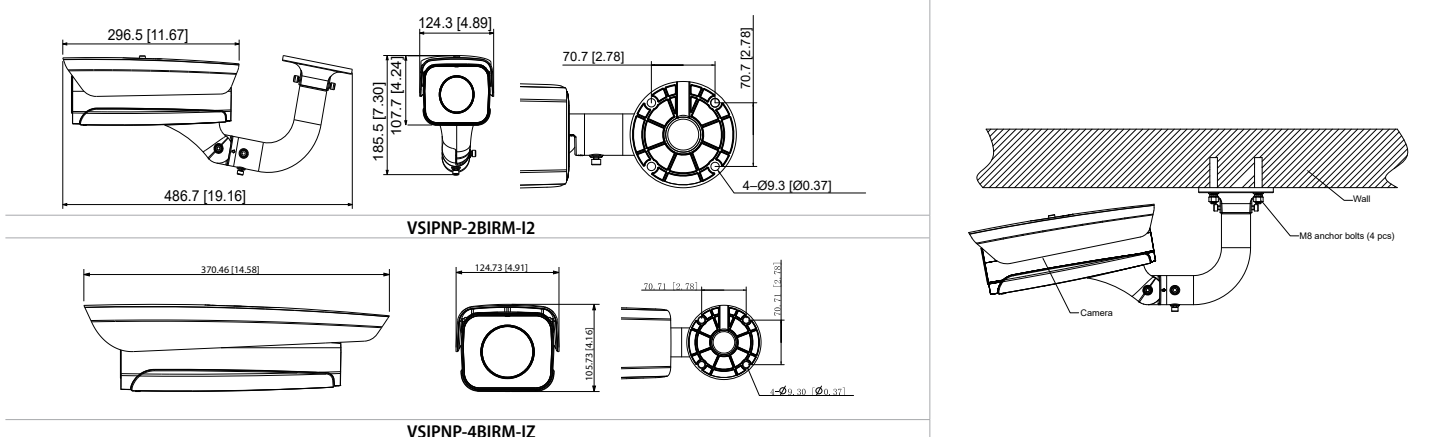

Automatic Number Plate Recognition

Detailed OSD Configuration

Vehicle Data Structuring with AI

Specifications		2.0MP Number Plate Bullet + AI Enhanced ANPR	2.0MP Number Plate Bullet + AI Enhanced ANPR
Ordering Information		VSIPNP-2BIRM-I2	VSIPNP-4BIRM-IZ
Camera			
Image Sensor		1/2.8" 2.0MP Progressive Scan CMOS	1/1.8" 4.0MP Progressive Scan CMOS
Effective Pixels		1920 (H) x 1080 (V)	2688 (H) x 1520 (V)
RAM / ROM		N/A	
Min Illumination		0.002 Lux/F1.3 (Color), 0 Lux/F1.3 (IR on)	0.002 Lux/F1.3 (Color), 0 Lux/F1.3 (IR on)
S/N Ratio		N/A	
Infrared System		6 x Infrared LED, 12m range, Auto/manual on/off control	6 x Infrared LED, 30m range, Auto/manual on/off control
Lens			
Lens / Iris		3.2 ~ 10.5mm Motorised Varifocal Lens with Auto Iris	10 ~ 50mm Motorised Varifocal Lens with Auto Iris
Field of View		Horizontal: 108°~30°, Vertical: 56°~17°, Diagonal: 131°~35°	Horizontal: 41°~ 9°, Vertical: 23°~5°, Diagonal: 47°~11°
Focus		Auto Focus	
Video			
Resolution		1080p (1920 x 1080) to D1 (704 x 576)	4.0MP (2688 x 1520) to CIF (352 x 288, 352 x 240)
Frame Rate	Main	1080p (1 ~ 25fps)	4.0MP (1 ~ 25fps)
	Sub	720p (1 ~ 25fps)	720p (1 ~ 25fps)
	Third	N/A	
Video Compression		H.265 / H.264M / H.264H / H.264B / MJPEG	H.264B / H.264M / H.264H / H.265 / MJPEG
Bit Rate		H.264/H.265: 32 ~ 32768Kbps / MJPEG: 512 ~ 65536Kbps	H.264B: 32 Kbps–32768 Kbps / MJPEG: 512 Kbps–65536 Kbps
Bit Rate Control		Constant bit rate (CBR) / Variable bit rate (VBR)	
Day/Night		Auto (ICR) / Colour / B&W	
Lighting Compensation		WDR (96dB)	
White Balance		Auto / Manual	
Gain Control		Auto / Manual	
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 ≥95%	
Detection Range / Rate		Capture Range: 3~6m / Lane Width: 3~4m / Detection Rate: ≥99%	Capture Range: 8~30m / Lane Width: 6~7m / Detection Rate: ≥99%
Max. Detection Speed		30km/h	60km/h
Network			
Ethernet		RJ-45 (100/1000 Base-T)	
Streaming Method		Unicast / Multicast	
Max. User Access		20 Users	
Interface			
Video Interface		N/A	
Audio Interface		1 Input / 1 Output	
Alarm Interface		3 Input / 3 Output	
Auxiliary Input/Output		2 x RS485 / 1 x RS232 / 1 x Analog Output	
Edge Storage		FTP / Micro SD Card (supports max. 128GB)	
Interoperability		N/A	
Environmental			
Power Supply		12VDC / 24VAC / PoE+ (802.3at)	
Power Consumption		<20W	
Operating Conditions		-30° ~ +65° C / Less than 90% RH	
Ingress Protection		IP67	
Vandal Resistance		N/A	
Housing		Metal & plastic, Installed with bracket (Φ14 lens mount)	Metal & plastic, Installed with bracket
Pan/Tilt/Rotation		N/A	
Dimensions		487 x 124 x 186mm (with bracket)	515.2 x 124.7 x 183.2mm (with bracket)
Net Weight		1.9kg	

Application

VSIPNP-2BIRM-I2

VSIPNP-4BIRM-IZ

Your local VIP Vision™ IP solutions professional: