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 Full HD 1080p (1920 x 1080) at 25fps
- 10 ~ 50mm motorised lens (108 ~ 30°, 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/IK10 weather & vandal resistant metal housing
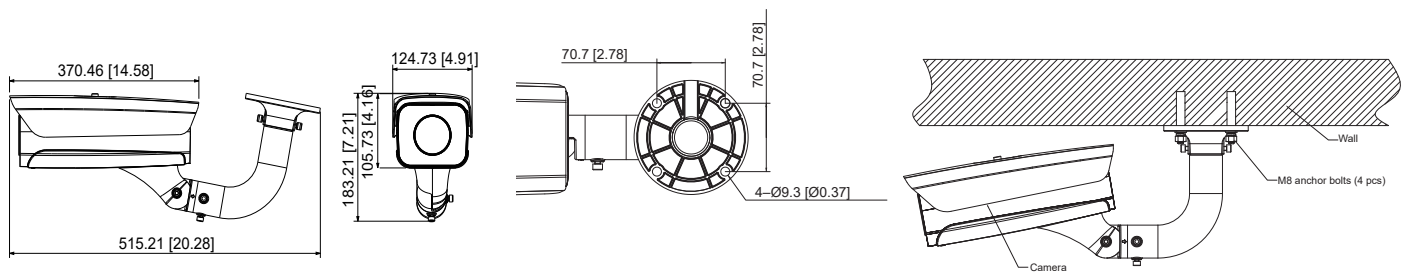

Automatic Number Plate Recognition

Detailed OSD Configuration

Vehicle Data Structuring with AI

Specifications		2.0MP Number Plate Bullet + AI Enhanced ANPR
Ordering Information		**VSIPNP-4BIRM-IZ**
Camera Image Sensor		1/1.8" 4.0MP Progressive Scan CMOS
Effective Pixels		2688 (H) x 1520 (V)
RAM / ROM		N/A
Min Illumination		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
Lens Lens / Iris		10mm ~ 50mm Motorised Varifocal Lens with Auto Iris
Field of View		Horizontal: 40.55°~9.33°, Vertical: 22.7°~5.3°, Diagonal: 46.4°~10.63°
Focus		Auto Focus
Video Resolution		4.0MP (2688 x 1520) to CIF (352 x 288, 352 x 240)
Frame Rate	Main	4MP (1 ~ 25fps)
	Sub	720p (1 ~ 25fps)
	Third	N/A
Video Compression		H.264B / H.264M / H.264H / H.265 / MJPEG
Bit Rate		H.264/H.265: 32 ~ 32768Kbps / MJPEG: 512 ~ 65536Kbps
Bit Rate Control		Constant bit rate (CBR) / Variable bit rate (VBR)
Day/Night		Auto (ICR) / Color / 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%
Max. Detection Speed		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)
Pan/Tilt/Rotation		N/A
Dimensions		515.2 mm × 124.7 mm × 183.2 mm
Net Weight		1.9kg

Application

370.46 [14.58]
124.73 [4.91]
183.21 [7.21]
105.73 [4.16]
515.21 [20.28]
70.7 [2.78]
70.7 [2.78]
4–Ø9.3 [Ø0.37]
Wall
M8 anchor bolts (4 pcs)
Camera

Your local VIP Vision™ IP solutions professional: