Vehicle video evidence.

AI Traffic Series: Motorised Lens 2.0MP 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
- 2.7~13.5mm motorised lens (119 ~ 32°, 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
- Highlight compensation removes headlight glare
- Capture number plates for vehicles going up to 40km
- Identify vehicle size, colour & direction with AI
- IP67 weather & vandal resistant metal housing

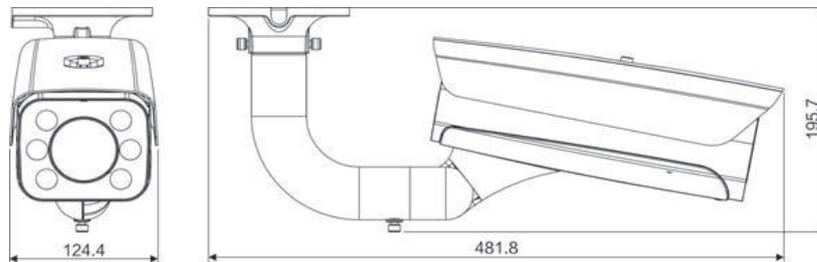
Automatic Number Plate Recognition

Detailed OSD Configuration

Vehicle Data Structuring with AI

Product specifications may be subject to change.

Specifications		2.0MP Number Plate Bullet + AI Enhanced ANPR
Camera Ordering Information		VSIPNP-2BIRM-I
Image Sensor		1/2.8" 2.0MP Progressive Scan CMOS
Effective Pixels		1920 (H) x 1080 (V)
RAM / ROM		N/A
Min Illumination		0.005 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		2.7 ~ 13.5mm F1.3 Motorised Varifocal Lens with Auto Iris
Field of View		Horizontal: 119°~32°, Vertical: 65°~18°
Focus		Auto Focus / 3 ~ 8m ANPR Focus Distance
Video Resolution		1080p (1920 x 1080) to D1 (704 x 576)
Frame Rate	Main	1080p (1 ~ 25fps)
	Sub	D1 (1 ~ 25fps)
	Third	N/A
Video Compression		H.265 / H.264M / H.264H / H.264B
Bit Rate		32 ~ 16384Kbps
Bit Rate Control		Constant bit rate (CBR) / Variable bit rate (VBR)
Day/Night		Auto (ICR) / Color / B&W
Lighting Compensation		BLC / HLC / WDR (120dB)
Smart Scene Adaptive		N/A
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, Loop/Video Detection, Snapshot, OSD (Time, Location, Number Plate, Lane No.), White List (up to 10000), Barrier Control (1ch Relay Out), Vehicle Data Structuring (Vehicle Size, Vehicle Colour & Vehicle Direction)
Vehicle Size Detection		Support 11 Vehicle Sizes: Large Bus, Medium Bus, Heavy Truck, Medium Truck, Light Truck, Sedan, Minivan, SUV, MPV, Pick Up and Minicar
Vehicle Colour Detection		Supports 11 Vehicle Colours (Daytime Only): White, Black, Blue, Red, Yellow, Green, Pink, Purple, Grey, Brown, Orange, Silver
Network Ethernet		RJ-45 (100/1000 Base-T)
Protocol		IPv4; IPv6; HTTP; TCP/IP; UDP; NTP; DHCP; DNS
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
RS485		Yes
Edge Storage		MicroSD Card Slot (up to 64GB) / Local PC
Interoperability		ONVIF / SDK / CGI
Environmental Power Supply		12VDC / PoE+ (802.3at)
Power Consumption		N/A
Operating Conditions		-30° ~ +65° C / Less than 95% RH
Ingress Protection		IP67
Vandal Resistance		N/A
Housing		N/A
Pan/Tilt/Rotation		N/A
Dimensions		297 x 124 x 108mm (without bracket) / 482 x 124 x 196mm (with bracket)
Net Weight		1.9kg (without bracket) / 3.3kg (with bracket)

Application

Your local VIP Vision™ IP solutions professional: