

8MP AI LPR-Pro Road Traffic Network Camera



Fine quality made in Taiwan

Features



- ▶ 8MP SONY Starvis CMOS sensor + Novatek (Taiwan) chip, NDAA compliant.
- ▶ Support H.264 / H.264+ / H.265(HEVC) / H.265+ / MJPEG compression format.
- ▶ Support 120dB WDR (Wide Dynamic Range), 3DNR (3D Noise Reduction), AWB (Auto White Balance), Defog, Deblur, Anti-Flicker.
- ▶ AI-powered LPR algorithm, support traffic violation detection, traffic flow statistics, evidence camera linkage.
- ▶ Built-in motorized auto focus 4X zoom lens, covering 2 lanes.
- ▶ Integrated Supplement Light (Optional White LED/ IR LED).
- ▶ Support ANPR distance up to 130M during the day and 65M at night with IR illumination.
- ▶ 30fps high frame rate, easy to capture images without lag in high-speed motion.
- ▶ Support Micro SD/SDHC/SDXC card storage up to 1TB.
- ▶ Support HTTP / TCP / API / ONVIF (G/M/S/T) protocol.
- ▶ Support multiple vehicle recognition: License plate color / Vehicle type/color/brand / No-plate vehicle detection / Vehicle direction detection.
- ▶ SIP (Session Initiation Protocol) provides audio/alarm/intercom & video streaming for mobile & video telephony.
- ▶ Support NAS (NFS/SMB/CIFS) network storage and ANR (Automatic Network Replenishment) for replenishing the recordings gap due to internet interruptions.

Highlights

▶ Traffic Violation Detection

Accurately detect and alert violation events such as No-plate Vehicle Detection, Specific Lane Detection, Reverse Driving Detection, Black/White List Detection and Vehicle Event Detection for mission-critical road traffic management.

Reverse Drive Detection



Specific Lane Detection



Black/White List Detection



▶ Traffic Flow Statistics

The vehicle counting result based on vehicle type and various vehicle features can be shown intuitively in camera's live view and the camera can also generate useful report insights to further enhance traffic management capabilities.

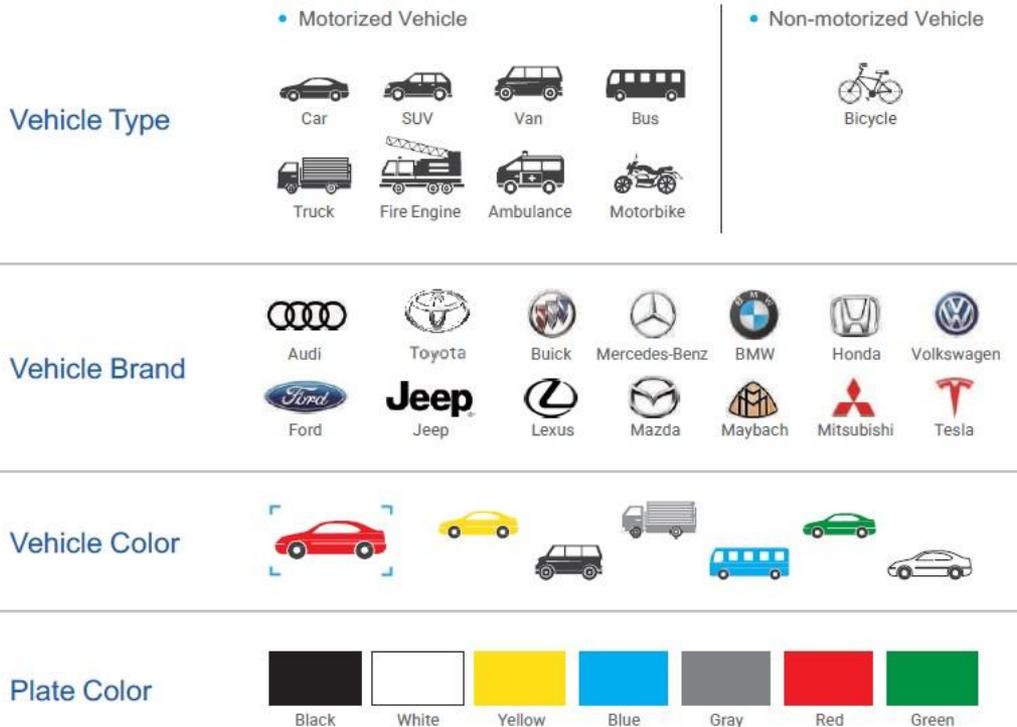
Highlights

▶ AI-based Vehicle Attributes Recognition

The camera enables AI-based recognition of attributes such as vehicle type, brand, vehicle color, and license plate color, helping to gain a new level of insight for future analysis.

▶ AI-powered LPR Algorithm

Based on AI algorithm, the LPR function provides value-added data via a pre-trained deep learning model and continuously training to algorithms automatically, which can not only recognize license plate in real time with high accuracy, but also identify more vehicle characteristics, such as vehicle type, color, etc., generating powerful security and traffic solution.



Highlights

▶ Evidence Camera Linkage

In addition to vehicle characteristics and license plate recognition, the camera can also interface with any conventional camera to capture evidence. Thanks to seamless triggering between the two, users can easily provide reliable and convincing evidence of LPR results, complete with overview snapshots and key details such as the driver's face and the material loaded in the truck.



▶ LPR Smart Search

Through LPR smart search, you only need to search for some characteristics of the target suspect vehicle, such as vehicle model & color, license plate color, license plate number, speed, direction, etc., and you can quickly find relevant videos to ensure efficient event investigations and intelligent road traffic monitoring. In addition, it supports manual export and automatic export, which is easy for security operators to manage.



Highlights

▶ Smart IR II Technology

In order to maximize the IR performance, the camera has been innovated in both structure and technology. The advanced Smart IR II Technology combines two high beams and two low beams with adjustable illumination intensity for superior IR performance. The new design of the anti-reflection front panel greatly improves the transmittance of IR light, thereby achieving better IR projection effect.



▶ Plate Data Management

Various options are available to ensure the powerful plate data management and flexible deployment of ANPR systems. The camera provides various CGI/API, and supports interfaces and protocols such as TCP, HTTP, etc., which makes it easy to openly integrate with all data pushed to third-party VMS or platforms.

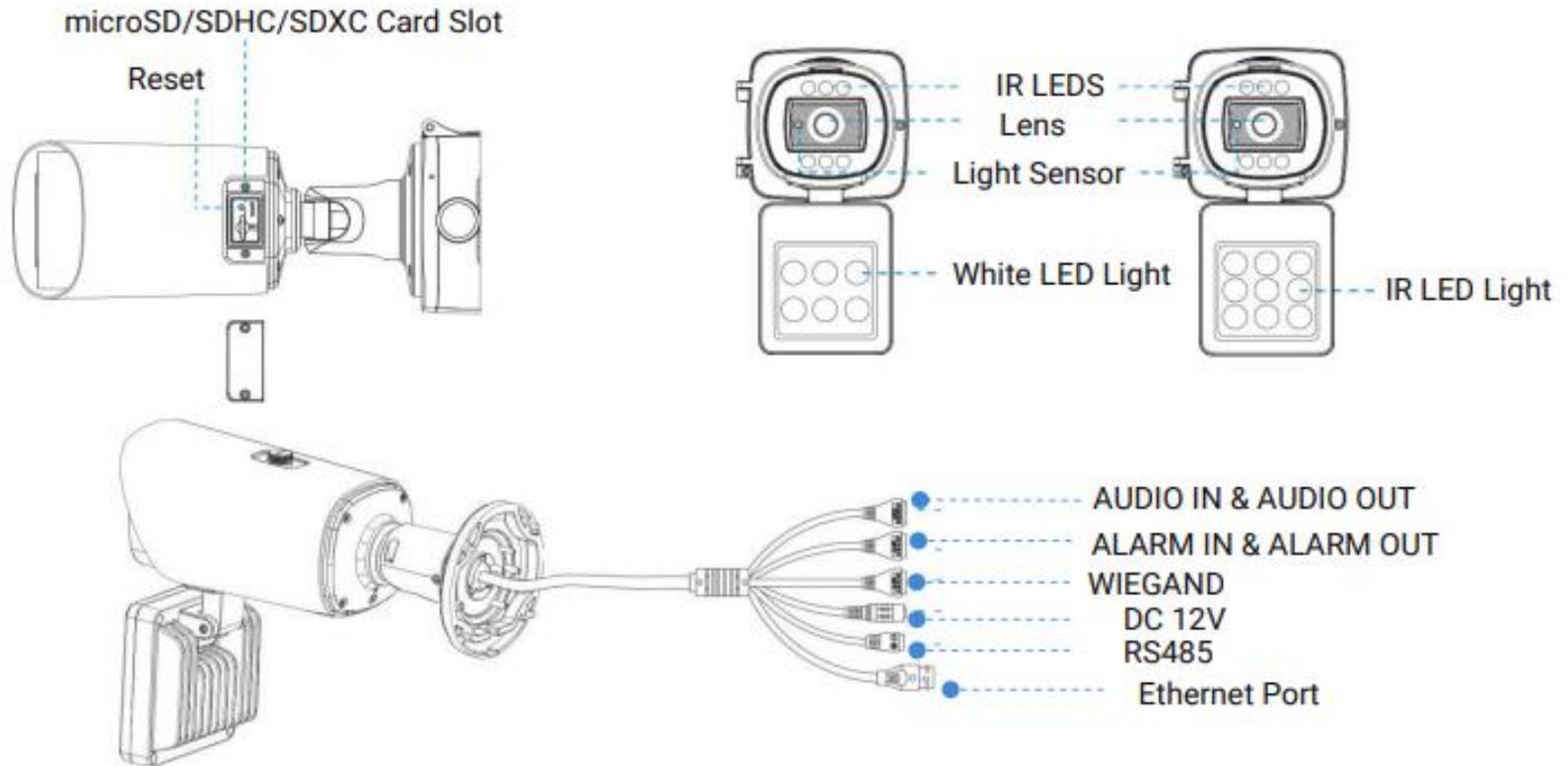
▶ Support SIP/VoIP

The camera features industry-leading SIP/VoIP function and video streaming for mobile phones and video phones.



Physical Information

▶ Cable Out Version (Default)

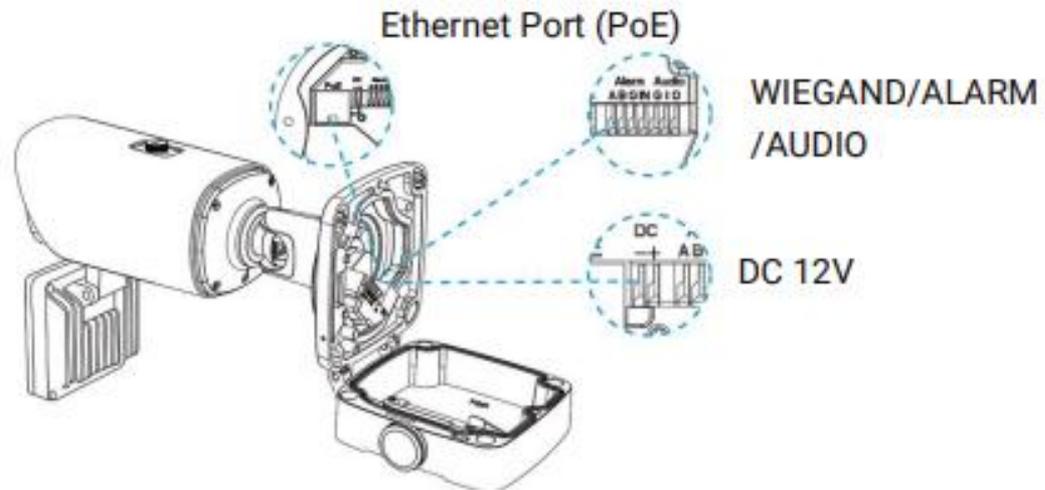
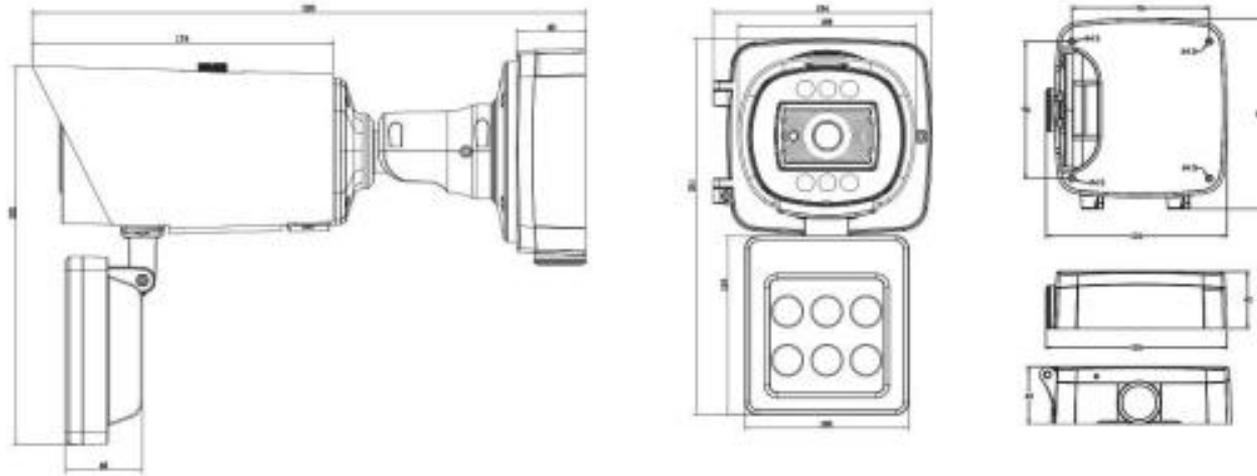


8MP AI LPR-Pro Road Traffic IPC (8MP / 4X / 30FPS)

▶ Model No.: NS8B6L-LPR0430W (White LED) / NS8B6L-LPR0430R (IR LED)

Physical Information

- ▶ Integrated Cable Version (Optional)



Specifications

8MP

Model No.	NS8B6L-LPR0430W	NS8B6L-LPR0430R
CMOS Image Sensor	1 / 1.8" 8MP SONY CMOS Sensor + Novatek Chip (NDAA Compliant)	
Effective Pixels (HxV)	3840x2160	
Compression Format	H.264 / H.264+ / H.265 (HEVC) / H.265+ / MJPEG	
Video Format Standard	NTSC / PAL	
Elec. Shutter Speed	1/100,000s	
Minimum Illumination	0.009 LUX @F1.6 / 0 LUX @IR	
S/N Ratio	≥ 55 dB	
Wide Dynamic Range	120dB	
System Scan	Progressive	
Video Output	Network	
Lens Furnished	8MP HD Auto Iris Auto Focus 8~32mm @F1.6~F1.7 Motorized 4X Optical Zoom	
Focus Control	Auto / Manual	
Angle of View	H44°~H13° / D51°~D15° / V25°~V7°	
Coverage	2 Lanes	
Supplement Light	4000K White LED*6	IR LED*9 (Default: 850nm; Option: 740nm)
IR Projection Distance	Up to 180M	
Light Control	Auto / Always On / Off / Customized	
Day & Night	Day / Night / Auto / Customized / Schedule	
Vehicle Speed	Max. 200KM/H (124Miles/H)	
Recognition Accuracy	>95%	
License Plate Style	Support More Than 80 Countries / Regions	
ANPR Distance	Up to 130M during the day; Up to 65M during the night with illumination	

Specifications

8MP

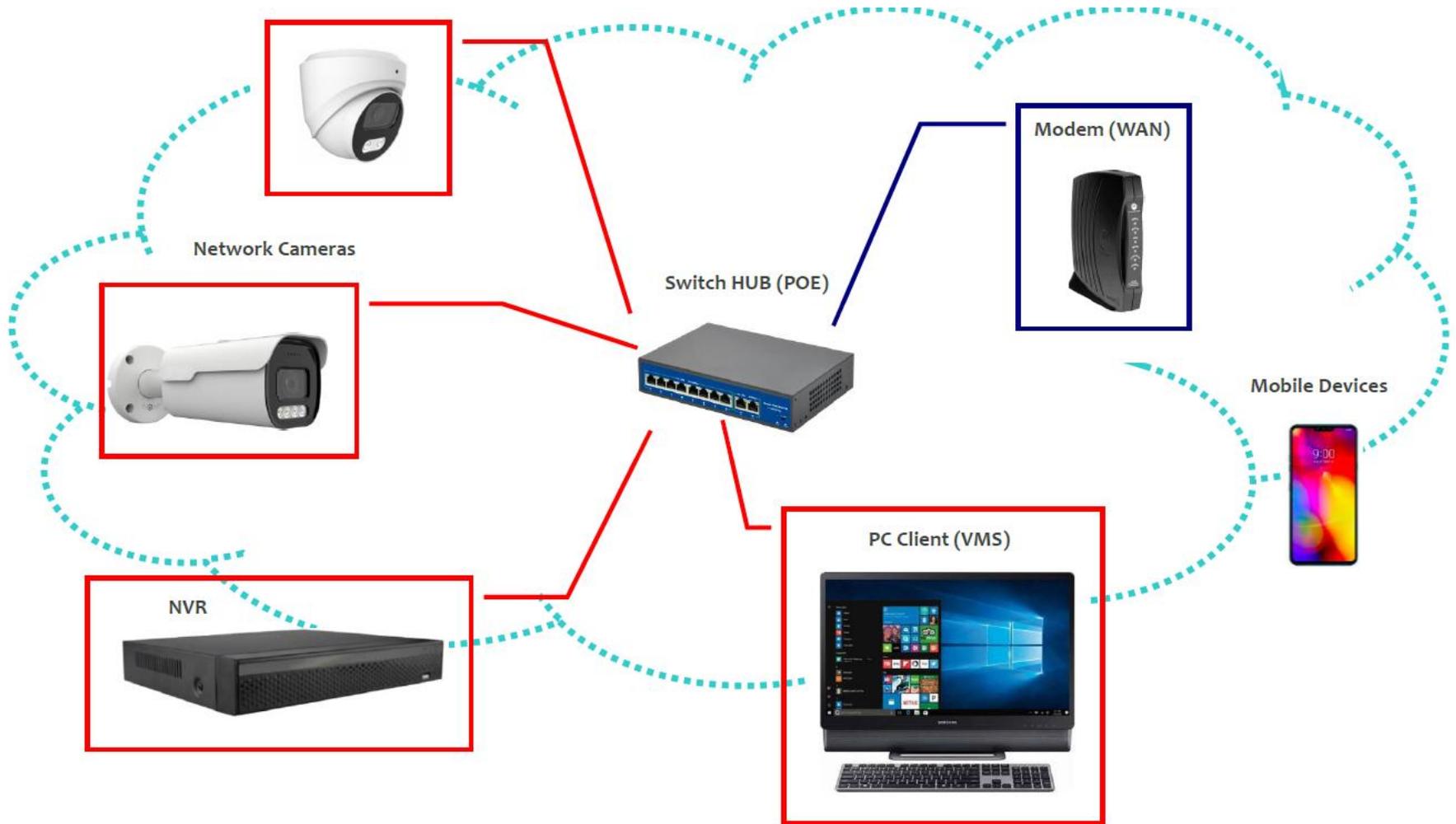
Model No.	NS8B6L-LPR0430W	NS8B6L-LPR0430R
Attributes Identification	License Plate Color / Vehicle Type / Vehicle Color / Vehicle Brand / No-plate Vehicle Capture / Vehicle Direction Detection	
Black List / White List	Up to 20,000 records	
LPR Smart Search	Support	
Ethernet	1 *RJ-45 10/100M	
Audio I/O	Input*1 / Output*1 (Support 2-Way Audio)	
Audio Bit Rate	16~256kbps	
Audio Compression	G711 / AAC / G722 / G726	
Sample Rate	8 / 16 / 32 / 44.1 / 48KHz	
Alarm I/O	Input*1 / Output*1	
Wiegand	Standard Wiegand 26-bit	
Main Stream	60Hz: 30fps / 50Hz: 25fps @3840x2160 / 3072x2048 / 2592x1944 / 2592x1520 / 2048x1536 / 1920x1080 / 1280x960 / 1280x720 / 704x576	
Sub Stream	60Hz: 60fps / 50Hz: 50fps @704x576 / 640x480 / 640x360 / 352x288 / 320x240	
3 rd Stream	60Hz: 30fps / 50Hz: 25fps @1920x1080 / 1280x720 / 704x576 / 640x480 / 640x360 / 320x240	
Video Bit Rate	16Kbps~16Mbps (CBR/VBR adjustable)	
Image Mask	Up to 8 areas (Optional mask area and mosaic area)	
ROI (Region of Interest)	Up to 8 zones	
Image Configuration	Brightness / Contrast / Saturation / Sharpness	
Network Storage	NAS (Supports NFS, SMB / CIFS) / Internet-disconnected Smart Recording (ANR)	

Specifications

8MP

Model No.	NS8B6L-LPR0430W	NS8B6L-LPR0430R
Network Protocol	IPv4/IPv6 / ARP / TCP / UDP / RTCP / RTP / RTSP / RTMP / HTTP / HTTPS / DNS / DDNS / DHCP / FTP / NTP / SMTP / SNMP / UpnP / Bonjour / SIP / PPPoE / VLAN / 802.1x / QoS / IGMP / ICMP / SSL / TLS 1.2	
Advanced Functions	BLC / HLC / 2D DNR / 3D DNR / Defog / AWB / IP Address Filtering / AGC / Anti-Flicker / Corridor Mode / Deblur / Watermark	
SIP/VoIP	Support	
Memory Card Slot	Support Micro SD / SDHC / SDXC Card Local Storage (Up to 1TB)	
Event Trigger	Black List / White List / Attributes Event / Motion Detection / Network Disconnection / External Input / Audio Alarm, etc.	
Event Action	FTP Upload / SMTP Upload / SD Card Recording / External Output / SIP Phone / HTTP Notification, etc.	
Housing Material	Metal IK10 Vandal-proof & IP67 Weatherproof	
Operating Temperature	-40°C to 60°C (-40°F to 140°F)	
Operating Humidity	0%~95% Non-condensing	
Protocol	HTTP / TCP / API / ONVIF Profile (G/M/S/T)	
Power Supply	DC 12V/3A±10% (Non-PoE)	
Power Consumption	Max. 5W / 31W (LED on)	
Surge Protection	4KV	
P2P	Support	
Weight	1445.8g / 2100g (with Supplement Light)	
Dimensions	282x108x120mm / 282x108x225mm (with Supplement Light)	

Infrastructure



- ▶ Slight specification variations may occur due to product enhancement to optimize functionality.

Thank You!