# **NDAA**

# AI NDAA LPR Pro Bullet Cameras series

#### Features:

















### **KEY FEATURES**

- Superior Image Quality (Starlight Sensor, Smart IR II Technology, 4K Video Viewing Experience and high frame rate are supported for an excellent image quality.)
- ▶ Evidence Camera Linkage (Link with any regular cameras to capture the overview snapshots as evidence.)
- ▶ LPR Smart Search (Relevant videos can be found quickly by searching for only a portion of the target suspect vehicle's features, such as vehicle type & color, plate color, plate number and etc.)
- ➤ Traffic Flow Statistics (The vehicle counting result based on vehicle type, vehicle make and various vehicle features can be shown intuitively in camera's live view and the camera can also generate useful report insights to aid in improved decision-making.)

#### **Traffic Violation Detection**

Al-based road traffic cameras accurately detect and alert violation events such as No-plate Vehicle Detection, Specific Lane Detection, Speeding Detection, Reverse Driving Detection, Black/White List Detection and Vehicle Event Detection based on recognized vehicle features.



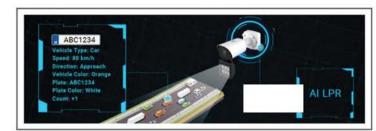
#### **Traffic Flow Statistics**

Traffic flow statistics greatly enhance traffic management capabilities. The vehicle counting result based on vehicle type, vehicle make and various vehicle features can be shown intuitively in camera's live view and the camera can also generate useful report insights to aid in improved decision-making.



### Intelligent Al-powered LPR Algorithm

The Al Road Traffic Supplement Light Pro Bullet Plus Camera can not only recognize vehicle plates in real time, but also identify more vehicle features, like vehicle type, color, etc., generating reliable traffic insights to improve safety and mobility.



# **Integrated Supplement Light**

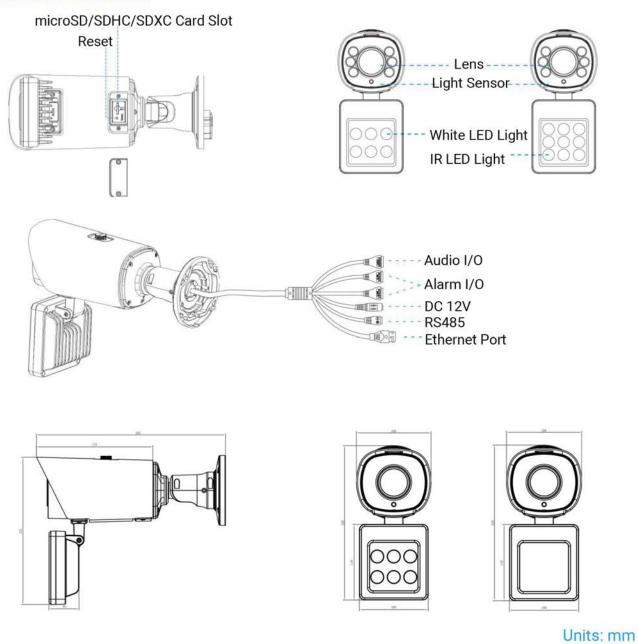
Integrated with supplement light of IR LED Light or White LED Light, AI Road Traffic Supplement Light Pro Bullet Plus Camera could turn on and off the supplement light, and change the luminance of the supplement lighting automatically, achieving a flexible way for the monitoring control.



Camera	Name	RBU4466-X4RWE /W (4MP)	RBU4466-X4RWE /R (4MP)	RBU8266-X4WE /W (4K)	RBU8266-X4WE /R (4K)	
	Image Sensor	1/1.8" Progressive Scan CMOS 1/1.8"		1/1.8" Progress	' Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.6 Color: 0.009Lux@F1		9Lux@F1.6		
	Win. illumination	B/W: OLux with IR on		B/W: OLux with IR on		
	WDR	140dB Super WDR 120dB Super WDR				
	Shutter Time	1/100000s~1s				
	Day/Night Mode	Day/Night/Auto/Customize/Schedule				
	S/N	>55dB				
	Lens	8~32mm, 4X Optical Zoom				
Lens	Field of View	H44°~H13°/D51°~D15°/V25°~V7°				
	Mount	Ф14				
	Focus Control	Auto/Manual				
	Aperture	F1.6-F1.7				
	Iris Control	Auto				
Road Traffic Management	Max. Vehicle Speed	200km/h				
	Recognition Accuracy	>95%				
	Coverage	2 lanes				
	Country Region Supported	More than 80 countries and regions				
	Illumination Distance	Up to 70m during the day; Up to 45m during the night with illumination				
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand,				
	Attributes identification	No-plate Vehicle Capture, Vehicle Direction Detection				
	Smart Traffic Function	Evidence Camera Linkage, Specific Lane Management				
	White/Black List	Up to 20000 records inside the camera				
LPR Smart Search		Sup	Support			
	Supplement Light	White LED Light	IR LED Light	White LED Light	IR LED Light	
Illuminator	Light Bead	6 (For White LED Light)	9 (For IR LED Light)	6 (For White LED Light)	9 (For IR LED Light)	
	Light Control	Auto/Always On/Off/Customize				
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port				
	Audio I/O	1/1				
	Alarm I/O	2/2				
	Wiegand	Standard Wiegand 26-bit				
Video	Max. Image Resolution	2688x1520 3840x2160				
	Primary Stream	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1 60Hz: 60fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)		1920x1080, 1280x960, 704x576) , 3072x2048, 2592x1944, 1920x1080, 1280x960,		

Secondary Stream					
Video	Video	Secondary Stream	· - · · · · · · · · · · · · · · · · · ·		
Video Bit Rate   16		Tertiary Stream	640x360, 320x240) 50Hz: 25fps@(1280x720, 704x576, 640x480, 50Hz: 25	640x480, 640x360, 320x240) fps@(1920x1080, 1280x720, 704x576,	
Privacy Masking ROI Up to 8 Areas (Mask Area and Mosaic Area are optional) ROI Up to 8 areas Brightness/Contrast/Saturation/Sharpness  Network Network Storage Protocol  IPv4/IPv6, ARP, TCP, UPD, RTCP, RTR, RTS, RTM, PTTR, DTS, DNS, DDMS, DHCP, FTP, NTP, SMTP, SMMP, UPnP, Bonjour, SIP, PPPDE, VIAN, 802.1x, QoS, IGMP, ICMP, SSL Audio Compression Audio Sampling Rate Audio Sampling Rate Audio Bit Rate 16-256kbps Two-way Audio Support  System Compatibility APJ, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & S & T Storage Support microSD/SDHC/SDXC Card Local Storage, up to 1TB BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, ACC, Andi-Ricker, Corrido Mode, Deblur, Watermark SIP/VoIP Support Pevent Trigger Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc Working Temperature Working Temperature Working Humidity Power Supply DC 12V 3A±10% (Non-PoE)  4W MAX AW AWA SW MAX		Video Compression	H.265 <sup>+</sup> /H.265(HEVC)/H.264 <sup>+</sup> /H.264/MJPEG		
ROI   Brightness/Contrast/Saturation/Sharpness		Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Image Setting   Brightness/Contrast/Saturation/Sharpness		Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)		
Network   Network Storage   Protocol   IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPPP, Bonjour, SIP, PPPOE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		ROI	Up to 8 areas		
Protocol   IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMMP, UPnP, Bonjour, SIP, PPP0E, ULAN, 802.1x, QoS, IGMP, ICMP, SSL		Image Setting	Brightness/Contrast/Saturation/Sharpness		
Audio Compression Audio Compression Audio Sampling Rate Audio Sampling G. S. S. T Support MicroSo/SDHC/SDXC Card Local Storage, up to 1TB BLC, HLC, 2D DNR, 2D DNR, 2D GDQ, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark Yes, Voice & Video-over-IP Event Trigger Audio Sampling Make, Pode Support Mexicon Support MicroSoft Support Mode, Deblur, Watermark Yes, Voice & Video-over-IP Event Trigger Audio Sampling Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature Working Temperature Working Humidity Somer Supply DC 12V / 3A±10% (Non-PoE)  4W MAX Power Consumption Audio SammAX (For White Light) Surge Protection AkV  Weight Dimensions Augustant SammAX (Por White Light)	Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR		
Audio Sampling Rate Audio Bit Rate Two-way Audio Support  System Compatibility API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & S & T Storage Support microSD/SDHC/SDXC Card Local Storage, up to 1TB BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Fevent Trigger Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc Working Temperature Working Humidity Foreore Working Humidity Foreore Aud MAX For White Surge Protection Away Max (For White LED Light) LED Light) LIght) LIght) LED Light) LUght) LUght) LUght) LUght) LUght) Surge Protection Value Proof Housing Vandal-proof IK10-rated Metal Housing (Without Supplement Light) Surge Protection AKV Weight Dimensions Dimensions Dimensions  August A		Protocol			
Audio Bit Rate Two-way Audio Two-way Audio Two-way Audio System Compatibility System Compatibility API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & S & T Storage Support microSD/SDHC/SDXC Card Local Storage, up to 1TB BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark Yes, Voice & Video-over-IP Event Trigger Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature Working Humidity Forework System  Working Humidity Forework System FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Humidity Forework System FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Humidity Forework System FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Humidity Forework Oisconnection, External Output, SIP Phone, HTTP Notification, etc  Working Humidity Forework Oisconnection, External Output, SIP Phone, HTTP Notification, etc  Working Humidity Forework Oisconnection, External Output, SIP Phone, HTTP Notification, etc  Working Temperature  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Output, SIP Phone, HTTP Notification, etc  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Output, SIP Phone, HTTP Notification, etc  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Input, Audio Alarm, etc.  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Input, Audio Alarm, etc.  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Input, Audio Alarm, etc.  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Input, Audio Alarm, etc.  440 °C °C0 °C  Working Humidity Forework Oisconnection, External Input, Audio Alarm, etc.  440 °C °C0 °C  Working Humidity Forework Oisconnecti	Audio	Audio Compression	G.711/AAC/G.722/G.726		
Audio Bit Rate Two-way Audio Support  System Compatibility Storage Support microSD/SDHC/SDXC Card Local Storage, up to 1TB BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Advanced Function SIP/VoIP Support SIP/VoIP Support Event Trigger Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature Working Humidity S-90%(Non-condensing) Power Supply DC 12V / 3A ± 10% (Non-PoE)  4W MAX 4W MAX 5W MAX 5W MAX 7W MAX 5W MAX 6FOR IR LED Light) LED Light) Light)  General  General  General  Weather Proof Up to IP67-rated for Weather-resistant Performance Housing Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Weight Dimensions  Dimensions  Weight Dimensions  Westerman April 1445.8g 282mmX108mmX125mm (With Supplement Light)		Audio Sampling Rate	8/16/32/44.1/48KHz		
System Compatibility  Support MicroSD/SDHC/SDXC Card Local Storage, up to 1TB  Advanced Function  SIP/VoIP Support  Event Action  Working Temperature  Working Humidity  Surge Protection  General  Support  Suppo		Audio Bit Rate	16~256kbps		
System  Advanced Function  BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark  Yes, Voice & Video-over-IP  Event Trigger  Event Action  Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.  FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature  Working Humidity  S-90%(Non-condensing)  Power Supply  DC 12V / 3A ± 10% (Non-PoE)  4W MAX  SW		Two-way Audio	Support		
Advanced Function  BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark Yes, Voice & Video-over-IP  Event Trigger  Event Action  BLc/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.  Event Action  FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature  Working Humidity  FY-90%(Non-condensing)  Power Supply  DC 12V / 3A±10% (Non-PoE)  4W MAX 28W MAX (For White Light)  Surge Protection  4WV  General  Weather Proof  Up to IP67-rated for Weather-resistant Performance  Housing  Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection  4KV  Weight  Dimensions  Dimensions  Dimensions  Westman Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Waternark Yes, Voice & Video-over-IP  Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.  FTP Upload, SMTP Upload, SMTP Upload, SD Card Record, External Input, Audio Alarm, etc.  FTP Upload, SMTP U	System	System Compatibility	API, HTTP, TCP, Wiegand Protocol, ONVIF Profile G & S & T		
Advanced Function  Anti-flicker, Corridor Mode, Deblur, Watermark  SIP/VoIP Support  Event Trigger  Event Action  Working Temperature  Working Humidity  Power Supply  Power Consumption  Surge Protection  Weather Proof  Housing  Weather Proof  Weather Proof  Weight  Weight  Dimensions  Anti-flicker, Corridor Mode, Deblur, Watermark  Yes, Voice & Video-over-IP  Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.  Event Action  FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  -40°C~60°C  Working Humidity  5~90%(Non-condensing)  DC 12V / 3A±10% (Non-PoE)  4W MAX  4W MAX  5W MAX  131W MAX (For White LED Light)  Surge Protection  4KV  Weight  1445.8g  2100g (With Supplement Light)  Dimensions  282mmX108mmX120mm  282mmX108mmX120mm (With Supplement Light)		Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB		
SIP/VoIP Support  Event Trigger  Event Action  FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature  Working Humidity  Power Supply  Power Consumption  Surge Protection  Weather Proof  Housing  Weight  Dimensions  SIP/VoIP Support  Black/White List, Attributes Event, Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.  FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature  -40°C~60°C  Working Humidity  5~90%(Non-condensing)  DC 12V / 3A±10% (Non-PoE)  4W MAX  5W MAX  5W MAX  5W MAX  5W MAX  5W MAX  5W MAX  For White Light)  Surge Protection  4KV  Weight  1445.8g  2100g (With Supplement Light)  282mmX108mmX120mm  282mmX108mmX120mm  282mmX108mmX120mm  282mmX108mmX120mm  Contact Proceeding Authority Supplement Light)		Advanced Function			
Event Action FTP Upload, SMTP Upload, SD Card Record, External Input, Audio Alarm, etc.  Event Action FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc  Working Temperature -40°C~60°C  Working Humidity S~90%(Non-condensing)  Power Supply DC 12V / 3A±10% (Non-PoE)  4W MAX 4W MAX 5W MAX 5W MAX  Power Consumption 28W MAX (For White 28W MAX (For IR LED 31W MAX (For White 1ED Light) LED Light) Light)  Surge Protection 4KV  General Weather Proof Up to IP67-rated for Weather-resistant Performance  Housing Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection 4KV  Weight 2100g (With Supplement Light)  Dimensions 282mmX108mmX120mm 282mmX108mmX120mm (With Supplement Light)		SIP/VoIP Support	Yes, Voice & Video-over-IP		
Working Temperature  Working Humidity  Fower Supply  DC 12V / 3A ± 10% (Non-PoE)  4W MAX  Power Consumption  Surge Protection  Weather Proof  Housing  Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection  Weight  Dimensions  Working Temperature  -40°C~60°C  5~90% (Non-condensing)  DC 12V / 3A ± 10% (Non-PoE)  4W MAX  5W MAX  6For IR LED  Light)  Light)  LED Light)  Light)  LED Light)  Light)  Surge Protection  4KV  282 mmX108 mmX120 mm  282 mmX108 mmX125 mm (With Supplement Light)		Event Trigger			
Working Humidity  Power Supply  DC 12V / 3A±10% (Non-PoE)  4W MAX		Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc		
Power Supply  Boundary Supply  Aw MAX  Aw MAX  Bower Consumption  Aw MAX  Bower Consumption  Boundary Surge Protection  Weather Proof  Housing  Consumption  Aw MAX  Bow Max		Working Temperature	-40°C~60°C		
Power Consumption  4W MAX 28W MAX (For White LED Light)  Surge Protection  4KV  General  Weather Proof  Housing  Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection  4KV  Weight  Dimensions  4W MAX 28W MAX (For IR LED 28W MAX (For IR LED 19ht)  LED Light)  LED Light)  LED Light)  LED Light)  LED Light)  LED Light)  Light)  AKV  28W MAX 5W MAX 6FOR WHELL 19ht)  LED Light)  LED Light  LED Light)  LED Light)  LED Light  LED Light  LED Light  LED Li		Working Humidity	5~90%(Non-condensing)		
Power Consumption  28W MAX (For White LED Light)  Surge Protection  4KV  Weather Proof  Housing  Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection  4KV  Weight  28W MAX (For IR LED Light)  Light)  14KV  Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  4KV  282mmX108mmX120mm  282mmX108mmX125mm (With Supplement Light)		Power Supply	DC 12V / 3A $\pm$ 10% (Non-PoE)		
Weather Proof  Weather Proof  Up to IP67-rated for Weather-resistant Performance  Housing  Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection  4KV  Weight  1445.8g  2100g (With Supplement Light)  Dimensions  282mmX108mmX120mm  282mmX108mmX225mm (With Supplement Light)		Power Consumption	28W MAX (For White 28W MAX (For IR LED 31W MAX	( (For White 31W MAX (For IR LED	
Housing Vandal-proof IK10-rated Metal Housing (Without Supplement Light)  Surge Protection 4KV  Weight 1445.8g 2100g (With Supplement Light)  Dimensions 282mmX108mmX120mm 282mmX108mmX225mm (With Supplement Light)		Surge Protection			
Surge Protection  Weight  1445.8g  2100g (With Supplement Light)  282mmX108mmX120mm  282mmX108mmX225mm (With Supplement Light)	General	Weather Proof	Up to IP67-rated for Weather-resistant Performance		
Weight 1445.8g  2100g (With Supplement Light)  282mmX108mmX120mm  282mmX108mmX225mm (With Supplement Light)		Housing	Vandal-proof IK10-rated Metal Housing (Without Supplement Light)		
Weight 2100g (With Supplement Light) 282mmX108mmX120mm 282mmX108mmX225mm (With Supplement Light)		Surge Protection	4KV		
Dimensions 282mmX108mmX225mm (With Supplement Light)		Weight	Ÿ .		
Warranty 3/5 Years		Dimensions			
		Warranty	3/5 Years		

## **Structure Diagrams**



# **Accessories Support**

RA62 Junction Box

Weight: 510g

Dimensions: 134\*126\*40mm



**RA01 Pole Mount** 

Weight: 720g

Dimensions: 170\*51.5\*152.6mm



**RA03 External Corner Bracket** 

Weight: 900g

Dimensions: 170\*152.5\*76.3mm

