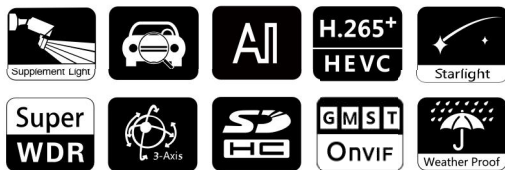


# AI Road Traffic Supplement Light Pro Bullet Plus Camera

Supplement Light

AF Lens



DATASHEET

NDAA

## 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 Violation Detection

AI-based road traffic cameras 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 based on recognized vehicle features.



## Intelligent AI-powered LPR Algorithm

The AI 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.



## 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.



## Integrated Supplement Light

Integrated with supplement light of IR 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.



# AI Road Traffic Supplement Light Pro Bullet Plus Camera



| Camera                  | Name                      | TS4466-X4RIWG1<br>(4MP)   |
|-------------------------|---------------------------|---|
|                         | Image Sensor              | 1/1.8" Progressive Scan CMOS  |
|                         | Min. Illumination         | Color: 0.005Lux@F1.6<br>B/W: 0Lux with IR on  |
|                         | WDR                       | Support   |
|                         | Shutter Time              | 1/100000s~1s  |
|                         | Day/Night Mode            | Day/Night/Auto/Schedule   |
|                         | S/N                       | >55dB   |
| Lens                    | Lens                      | 8~32mm, 4X Optical Zoom   |
|                         | Field of View             | H44°~H13°/D51°~D15°/V25°~V7°  |
|                         | Mount                     | Φ14   |
|                         | Focus Control             | Auto/Manual   |
|                         | Aperture                  | F1.6~F1.7   |
|                         | P-Iris                    | Support   |
|                         | Iris Control              | Auto  |
| Road Traffic Management | Max. Vehicle Speed        | 160km/h   |
|                         | Capture Rate              | 99%   |
|                         | Recognition Accuracy      | 98%   |
|                         | Coverage                  | 2 lanes   |
|                         | Country Region Supported  | More than 80 countries and regions  |
|                         | ANPR Distance             | Up to 40m   |
|                         | Attributes Identification | Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand,<br>No-plate Vehicle Capture, Vehicle Direction Detection<br>* Vehicle Color and Plate Color identification are not supported in low-light or night conditions. |
|                         | Smart Traffic Function    | Evidence Camera Linkage, Specific Lane Management, Vehicle Classification & Counting  |
|                         | White/Black List          | Up to 20,000 records inside the camera  |
|                         | LPR Smart Search          | Support   |
| Illuminator             | Supplement Light          | IR LED  |
|                         | IR Wave Length            | 850nm   |
|                         | Light Bead                | 12  |
|                         | Illumination Distance     | Up to 50 m  |
|                         | Light Control             | Auto/Customize  |

# AI Road Traffic Supplement Light Pro Bullet Plus Camera



|           |                       |  |
|-----------|-----------------------|--|
| Interface | Ethernet              | 1*RJ45 10M/100M Ethernet Port  |
|           | Audio I/O             | 1/1  |
|           | Alarm Input           | 2  |
|           | Alarm Output          | 2 (1 relay output; 1 open collector output, max. 12V DC/10mA)  |
|           | Wiegand               | 1  |
|           | RS485                 | 1  |
| Video     | Max. Image Resolution | 2688x1520  |
|           | Primary Stream        | 60Hz: 60fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)<br>50Hz: 50fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)   |
|           | Secondary Stream      | 60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240)<br>50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)   |
|           | Tertiary Stream       | 60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240)<br>50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240)   |
|           | Video Compression     | H.265+/H.265(HEVC)/H.264+/H.264/MJPEG  |
|           | Video Bit Rate        | 16Kbps~16Mbps (CBR/VBR Adjustable)   |
|           | Privacy Masking       | Up to 8 Areas (Mask Area and Mosaic Area are optional)   |
|           | ROI                   | Up to 8 areas  |
|           | Image Setting         | Brightness/Contrast/Sharpness  |
| Network   | Network Storage       | NAS(Support NFS, SMB/CIFS), ANR  |
|           | 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 |
| Audio     | Audio Compression     | G.711/AAC/G.722/G.726  |
|           | Audio Sampling Rate   | 8/16/32/44.1/48KHz   |
|           | Audio Bit Rate        | 16~256kbps   |
|           | Two-way Audio         | Support  |
| System    | System Compatibility  | API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T  |
|           | Storage               | Support microSD/SDHC/SDXC Card Local Storage, up to 1TB  |
|           | Advanced Function     | BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark  |
|           | SIP/VoIP Support      | 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  |
| General   | Working Temperature   | -40℃~60℃   |
|           | Working Humidity      | 0~95%(Non-condensing)  |
|           | Power Supply          | DC 12~28V  |
|           | Power Consumption     | Min.: 4.1W<br>Max.: 27W  |

# AI Road Traffic Supplement Light Pro Bullet Plus Camera



|                |                  |  |
|----------------|------------------|--|
| General        | Weather Proof    | Up to IP67-rated for Weather-resistant Performance                                   |
|                | Surge Protection | 4KV  |
|                | Weight           | 1445.8g<br>2100g (With Supplement Light)   |
|                | Dimensions       | 346mmX134mmX223mm  |
|                | Warranty         | 3 Years (5 Years Optional)   |
| Certifications | EMC              | CE-EMC (EN 55032, EN 55035), FCC (PART 15B), RCM-EMC (AS/NZS CISPR 32:2015+A1(2020)) |
|                | Safety           | CE-LVD (EN IEC 62368-1), RCM-LVD (IEC 62368-1:2018)                                  |
|                | Environment      | CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)                                |

# AI Road Traffic Supplement Light Pro Bullet Plus Camera



| Camera                  | Name                      | TS8266-X4RIWG1<br>(4K)   |
|-------------------------|---------------------------|--|
|                         | Image Sensor              | 1/1.8" Progressive Scan CMOS   |
|                         | Min. Illumination         | Color: 0.009Lux@F1.6<br>B/W: 0Lux with IR on   |
|                         | Shutter Time              | 1/100000s~1s   |
|                         | Day/Night Mode            | Day/Night/Auto/Schedule  |
|                         | S/N                       | >55dB  |
| Lens                    | Lens                      | 8~32mm, 4X Optical Zoom  |
|                         | Field of View             | H44°~H13°/D51°~D15°/V25°~V7°   |
|                         | Mount                     | Φ14  |
|                         | Focus Control             | Auto/Manual  |
|                         | Aperture                  | F1.6~F1.7  |
|                         | P-Iris                    | Support  |
|                         | Iris Control              | Auto   |
| Road Traffic Management | Max. Vehicle Speed        | 120km/h  |
|                         | Capture Rate              | 99%  |
|                         | Recognition Accuracy      | 98%  |
|                         | Coverage                  | 3 lanes  |
|                         | Country Region Supported  | More than 80 countries and regions   |
|                         | ANPR Distance             | Up to 50m  |
|                         | Attributes Identification | Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection<br>* Vehicle Color and Plate Color identification are not supported in low-light or night conditions. |
|                         | Smart Traffic Function    | Evidence Camera Linkage, Specific Lane Management, Vehicle Classification & Counting   |
|                         | White/Black List          | Up to 20,000 records inside the camera   |
|                         | LPR Smart Search          | Support  |
| Illuminator             | Supplement Light          | IR LED   |
|                         | IR Wave Length            | 850nm  |
|                         | Light Bead                | 12   |
|                         | Illumination Distance     | Up to 60 m   |
|                         | Light Control             | Auto/Customize   |

# AI Road Traffic Supplement Light Pro Bullet Plus Camera



|                  |                       |  |
|------------------|-----------------------|--|
| <b>Interface</b> | Ethernet              | 1*RJ45 10M/100M Ethernet Port  |
|                  | Audio I/O             | 1/1  |
|                  | Alarm Input           | 2  |
|                  | Alarm Output          | 2 (1 relay output; 1 open collector output, max. 12V DC/10mA)  |
|                  | Wiegand               | 1  |
|                  | RS485                 | 1  |
| <b>Video</b>     | Max. Image Resolution | 3840x2160  |
|                  | Primary Stream        | 60Hz: 60fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720)<br>50Hz: 50fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720) |
|                  | Secondary Stream      | 60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240)<br>50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)   |
|                  | Tertiary Stream       | 60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240)<br>50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240)   |
|                  | Video Compression     | H.265+/H.265(HEVC)/H.264+/H.264/MJPEG  |
|                  | Video Bit Rate        | 16Kbps~16Mbps(CBR/VBR Adjustable)  |
|                  | Privacy Masking       | Up to 8 Areas (Mask Area and Mosaic Area are optional)   |
|                  | ROI                   | Up to 8 areas  |
|                  | Image Setting         | Brightness/Contrast/Sharpness  |
|                  |                       |  |
| <b>Network</b>   | Network Storage       | NAS(Support NFS, SMB/CIFS), ANR  |
|                  | 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                                       |
| <b>Audio</b>     | Audio Compression     | G.711/AAC/G.722/G.726  |
|                  | Audio Sampling Rate   | 8/16/32/44.1/48KHz   |
|                  | Audio Bit Rate        | 16~256kbps   |
|                  | Two-way Audio         | Support  |
| <b>System</b>    | System Compatibility  | API, MQTT, HTTP, TCP, ONVIF Profile G & M & S & T  |
|                  | Storage               | Support microSD/SDHC/SDXC Card Local Storage, up to 1TB  |
|                  | Advanced Function     | BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark  |
|                  | SIP/VoIP Support      | 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  |
| <b>General</b>   | Working Temperature   | -40℃~60℃   |
|                  | Working Humidity      | 0~95%(Non-condensing)  |
|                  | Power Supply          | DC 12~28V  |
|                  | Power Consumption     | Min.: 5.3W<br>Max.: 28.3W  |
|                  | Weather Proof         | Up to IP67-rated for Weather-resistant Performance   |
|                  |                       |  |

# AI Road Traffic Supplement Light Pro Bullet Plus Camera

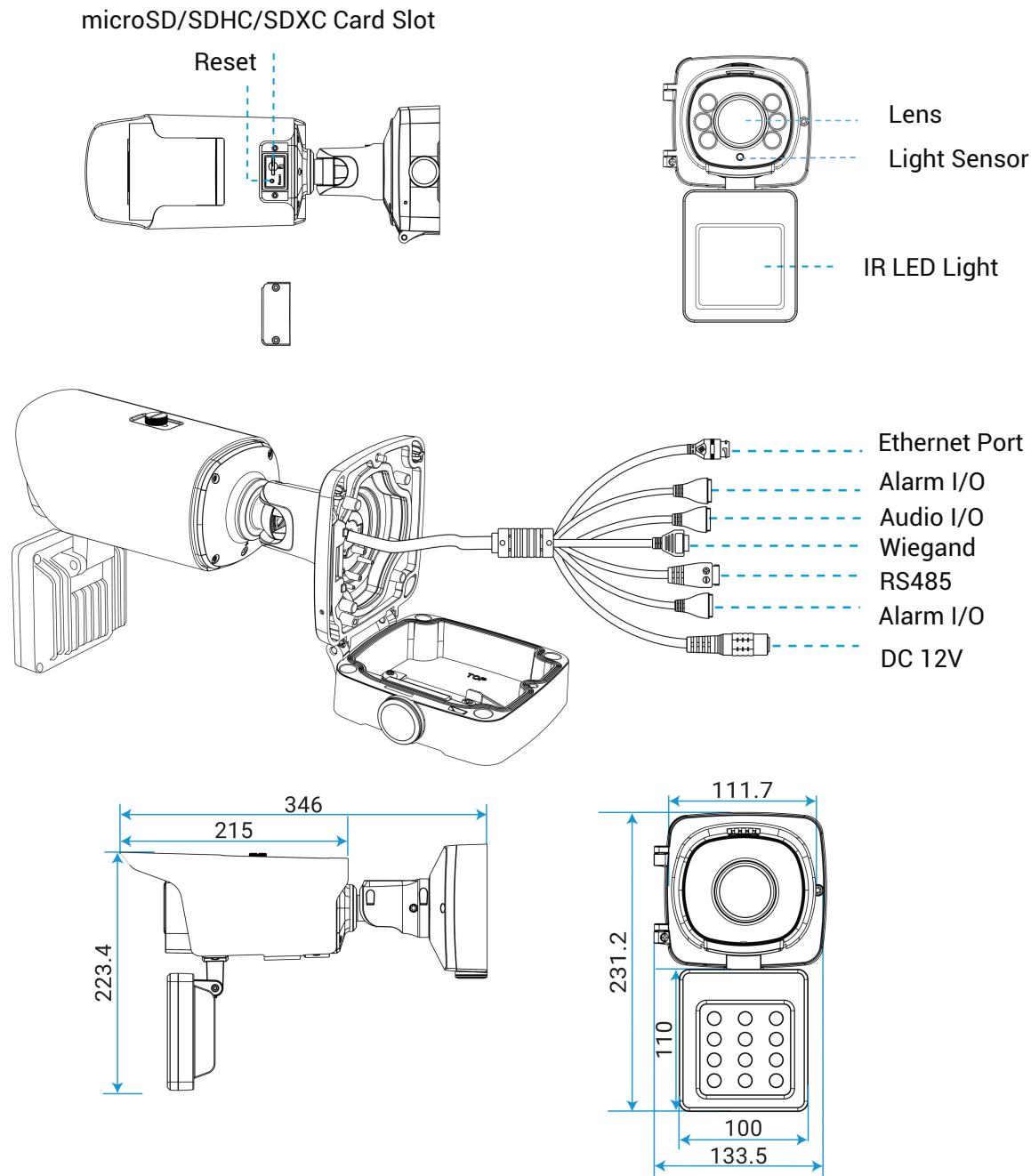


|                |                  |  |
|----------------|------------------|--|
|                | Surge Protection | 4KV  |
|                | Weight           | 1445.8g<br>2100g (With Supplement Light)   |
|                | Dimensions       | 346mmX134mmX223mm  |
|                | Warranty         | 3 Years (5 Years Optional)   |
| Certifications | EMC              | CE-EMC (EN 55032, EN 55035), FCC (PART 15B), RCM-EMC (AS/NZS CISPR 32:2015+A1(2020)) |
|                | Safety           | CE-LVD (EN IEC 62368-1), RCM-LVD (IEC 62368-1:2018)                                  |
|                | Environment      | CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)                                |





## Structure Diagrams



## Accessories Support

### A02 V2 Pole Mount

Weight: 1kg

Dimensions: 180\*136\*46mm



### A03 External Corner Bracket

Weight: 900g

Dimensions: 170\*152.5\*76.3mm

