AI Road Traffic Pro Bullet Plus Camera

AF Lens



DATASHEET

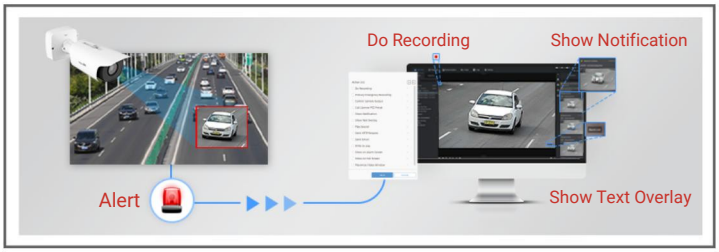
NDAA

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, direction 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.)

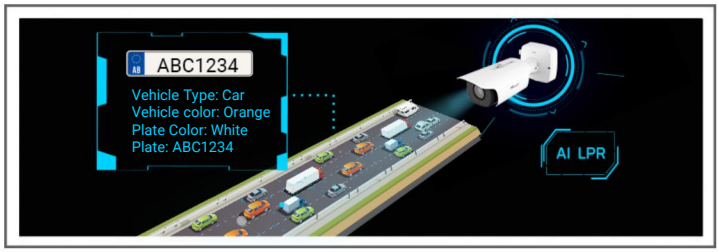
Traffic Violation Detection

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 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.



Easy Deployment and Compact Structure

To enhance visual clarity, the AI Road Traffic Pro Bullet Plus Camera features 4X/12X autofocus lens with corresponding algorithms. And the well-designed integrated junction box and versatile interfaces ensure installation efficiency.



AI Road Traffic Pro Bullet Plus Camera



	Name	TS4466-X4RIPG1(TS) (4MP)	TS5366-X12RIPG1(TS) (5MP)
Camera	Image Sensor	1/1.8” Progressive Scan CMOS	1/2.8” Progressive Scan CMOS
	Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR	120dB Super WDR
	Shutter Time	1/100000s~1s	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	IR Wave Length	850nm	850nm (Default); 740nm (Optional)
	Illumination Distance	Up to 50m	Up to 70m
	S/N	>55dB	
Lens	Lens	8~32mm, 4X Optical Zoom	5.3~64mm, 12X Optical Zoom
	Field of View	H44°~H13°/D51°~D15°/V25°~V7°	H57°~H4°/D69°~D5°/V44°~V1°
	Mount	Φ14	
	Focus Control	Auto/Manual	
	Aperture	F1.6~F1.7	F1.6~F2.8
	P-Iris	Support	
	Iris Control	Auto	
Road Traffic Management	Max. Vehicle Speed	160km/h	140km/h
	Capture Rate	99%	
	Recognition Accuracy	98%	
	Coverage	2 lanes	
	Country Region Supported	More than 80 countries and regions	
	ANPR Distance	Up to 40m	Up to 60m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection * 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	
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	

AI Road Traffic Pro Bullet Plus Camera



Video	Max. Image Resolution	2688x1520	2592x1944
	Primary Stream	60Hz: 60fps@(2688x1520, 2304x1296, 1920x1080, 1280x720) 50Hz: 50fps@(2688x1520, 2304x1296, 1920x1080, 1280x720)	60Hz: 60fps@(2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720) 50Hz: 50fps@(2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240)	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240) 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, EIS, 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	PoE (802.3at) / DC 12V±10%	
	Power Consumption	Min.: 3.9W (DC 12V), 4.9W(PoE) Max.: 14.8W (DC 12V), 17.8W(PoE)	Min.: 4.8W (DC 12V), 5.8W(PoE) Max.: 13.8W (DC 12V), 16.7W(PoE)

AI Road Traffic Pro Bullet Plus Camera



General	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Surge Protection	4KV
	Weight	1300g
	Dimensions	346mmX134mmX126mm
	Warranty	3/5 Years
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 Pro Bullet Plus Camera



	Name	TS8266-X4RIPG1(TS) (4K)
Camera	Image Sensor	1/1.8” Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@F1.6 B/W: 0Lux with IR on
	Shutter Time	1/100000s~1s
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	IR Wave Length	850nm
	Illumination Distance	Up to 60m
	S/N	>55dB
	WDR	120dB Super WDR
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 * 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
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

AI Road Traffic Pro Bullet Plus Camera



Video	Max. Image Resolution	3840x2160
	Primary Stream	60Hz: 60fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720) 50Hz: 50fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 352x288, 320x240) 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, EIS, 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	PoE (802.3at) / DC 12V±10%
	Power Consumption	Min.: 5.1W (DC 12V), 6.2W(PoE) Max.: 15.9W (DC 12V), 19.1W(PoE)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Surge Protection	4KV
	Weight	1300g
	Dimensions	346mmX134mmX126mm
	Warranty	3/5 Years



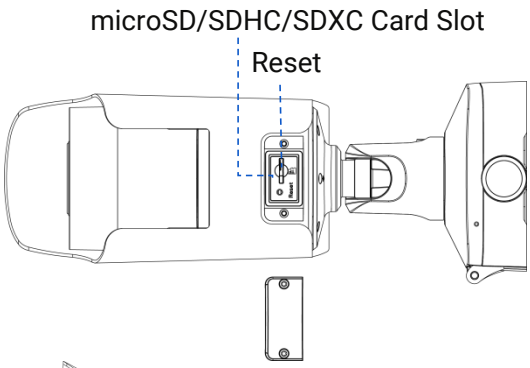
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B), RCM-EMC (AS/NZS CISPR 32:2015+A1(2020))
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	Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)

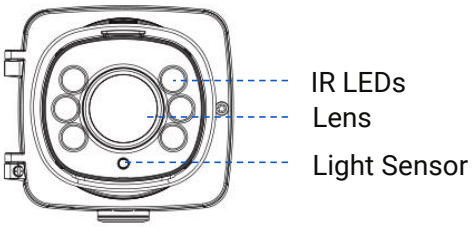
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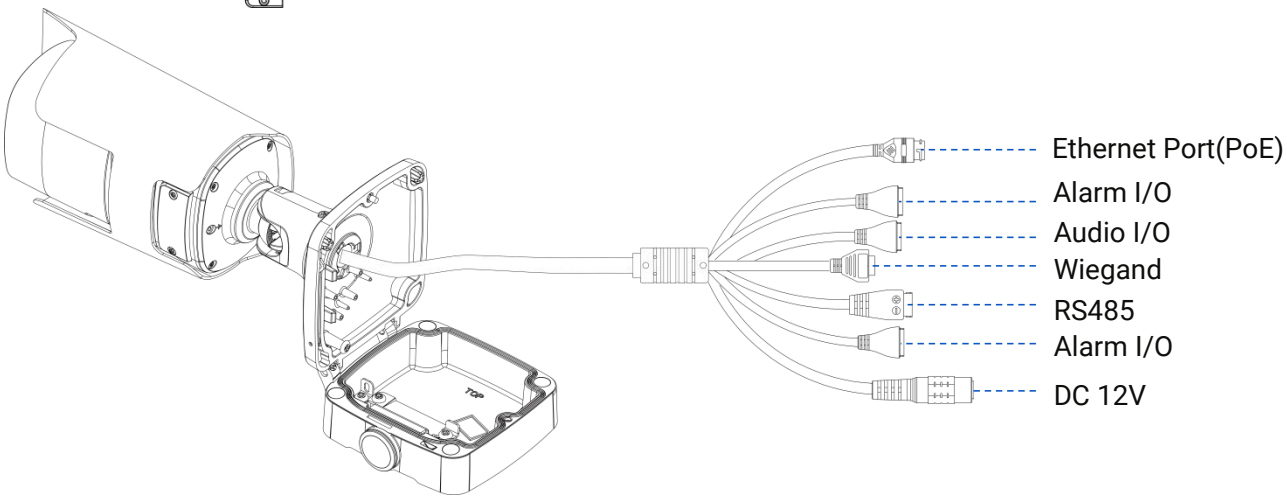
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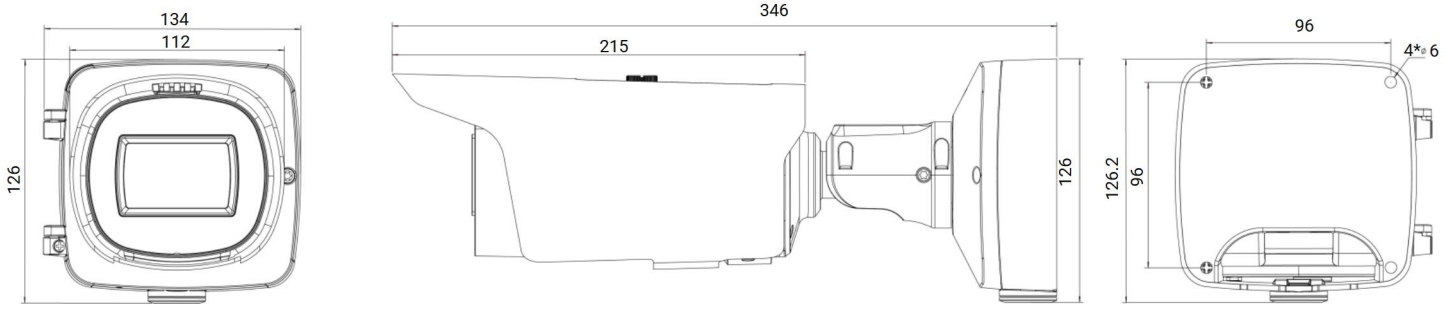


Structure Diagrams









Units: mm

Accessories Support

A02 V2 Pole Mount

Weight: 1kg

Dimensions: 180*136*46mm



A03 External Corner Bracket

Weight: 900g

Dimensions: 170*152.5*76.3mm



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