AI Road Traffic Radar Motorized Pro Bullet Plus Camera



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, speed, direction and etc.)
- Traffic Flow Statistics (The vehicle counting result based on vehicle type, vehicle make and various vehicle features can be shown

Traffic Violation Detection

AI-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.



Intelligent AI-powered LPR

The AI Road Traffic Radar 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.and ensuring the safety of public transport.



Advanced Radar Technology

Verified by radar and AI-powered LPR algorithm, the AI Road Traffic Radar Pro Bullet Plus Camera can precisely provide real-time information of detection distance, speed capture and flow control, greatly optimizing traffic monitoring, and ensuring the safety of public transport.



Easy Deployment and Compact

As an all-in-one radar camera, the radar module is directly integrated in the camera, which is easy to deploy for the users. And the well-designed integrated junction box and versatile interfaces ensure installation efficiency.



AI Road Traffic Radar Motorized Pro Bullet Plus Camera



	Name	TS4466-RFIVPG1 (4MP)
Camera	Image Sensor	1/1.8” Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0Lux with IR on
	WDR	Support
	Shutter Time	1/100000s~1s
	Day/Night Mode	Day/Night/Auto/Customize/Schedule
	IR Wave Length	850nm
	Illumination Distance	Up to 30m
	S/N	>55dB
Lens	Lens	Motorized 2.8~12mm@F1.2
	Field of View	H114°~H45°/ D116°~D51°/ V57°~V25°
	Mount	Φ14
	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 20m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed 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, Congestion Detection
	White/Black List	Up to 20,000 records inside the camera
	LPR Smart Search	Support
Radar	Working Frequency	60GHz, 61~62GHz
	Capture Rate	>99% (Traffic jam >95%)
	Lane Coverage	1~2 Lanes (Recognition ≥95% individually)
	Tracking Target	Up to 32
	Speed Detection Range	5km/h~160km/h
	Speed Detection Accuracy	±2km/h
	Distance Detection Accuracy	±0.4m
	Angle Measurement Accuracy	±0.5°

AI Road Traffic Radar Motorized 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) 50Hz: 50fps@(2688x1520, 2304x1296, 1920x1080, 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, LLDP, 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.: 6.6W (DC 12V), 7.9W(PoE) Max.: 17.2W (DC 12V), 20.4W(PoE)

AI Road Traffic Radar Motorized Pro Bullet Plus Camera



	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Surge Protection	4KV
	Weight	2300g
	Dimensions	346mmX134mmX181mm
	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)

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Camera	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2 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 40m
	S/N	>55dB
Lens	Lens	Motorized 2.8~12mm@F1.2
	Field of View	H114°~H45°/ D116°~D51°/ V57°~V25°
	Mount	Φ14
	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 30m
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed 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, Congestion Detection
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	Power Consumption	Min.: 7.7W (DC 12V), 9.2W(PoE) Max.: 19W (DC 12V), 21W(PoE)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Surge Protection	4KV

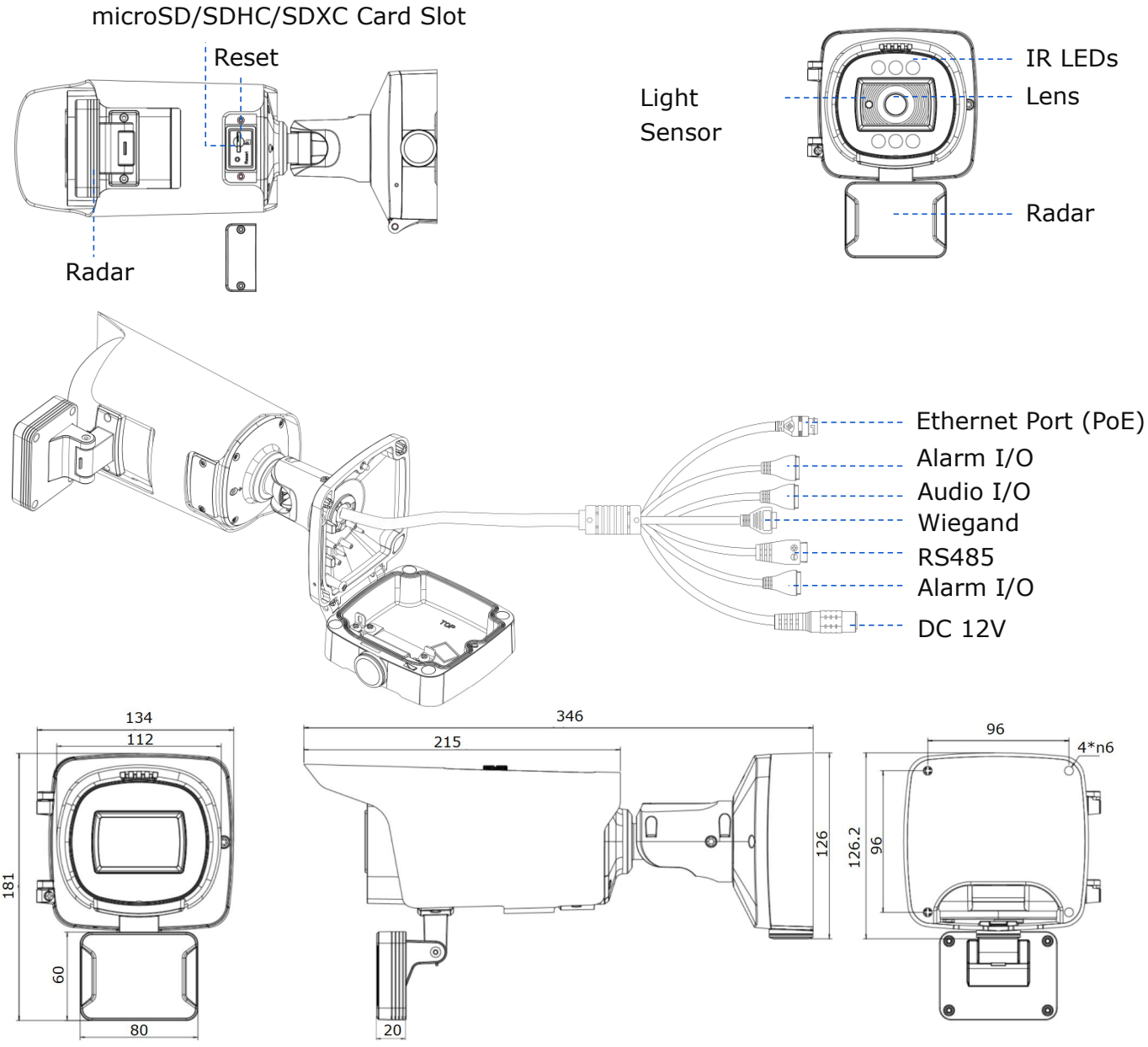


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Structure Diagrams



Units: mm

Accessories Support

A02 V2 Pole Mount

Weight: 1kg

Dimensions:

180*136*46mm



A03 External Corner Bracket

Weight: 900g

Dimensions:



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