





AI LPR Series


Datasheet

	Name	AI LPR Motorized Bullet Network Camera	
Camera	Appearance		
	Model	MS-C2964-R(T)F(I)LPC (2MP)	MS-C5364-F(I)LPC (5MP)
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 50m	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)	
	Field of View	H111°~H34°/D130°~D39°/V60°~V19°(2.7~13.5mm) H100°~H33°/D115°~D38°/V54°~V18°(3~10.5mm) H42°~H17°/D48°~D19°/V24°~V9°(7~22mm)	H99°~H31°/D124°~D38°/V72°~V23°(2.7~13.5mm) H89°~H31°/D111°~D38°/V66°~V23°(3.0~10.5mm) H37°~H15°/D46°~D19°/V28°~V11°(7~22mm)
	Mount	Φ14	
	Focus Control	Auto/Manual	
	Iris Control	Auto/Manual (Optional for I Series)	
LPR	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>95%	
	Coverage	Support simultaneous detection of 4 regions	
	White/Black List	Up to 1000 records inside the camera	
	Smart Traffic Detection	License Plate Recognition, Plate Type Classification, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition, Vehicle Direction Detection	
Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series) , 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series) , 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	


Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1 (Multi-interface Version)
	Alarm I/O	1/1 (Multi-interface Version)
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	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.
	System Compatibility	ONVIF Profile G & Q & S & T, API
General	Working Temperature	-40°C~60°C
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	7W MAX
		9W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Housing	Vandal-proof IK10-rated Metal Housing
	Weight	825g
	Dimensions	Ø76mmX239.5mm
Warranty	3/5 Years	

	Name	AI LPR Motorized Pro Bullet Plus Network Camera	
Camera	Appearance		
	Model	MS-C2966-R(T)F(I)LPC (2MP)	MS-C5366-F(I)LPC (5MP)
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.4 B/W: 0Lux with IR on
	WDR	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 65m(3.0~10.5mm/2.7~13.5mm) Up to 100m(7~22mm)	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Lens	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)	
	Field of View	H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H104°~H34°/D120°~D39°/V57°~V19° (3.0~10.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)	H113°~H33°/D138°~D42°/V83°~V25° (2.7~13.5mm) H94°~H33°/ D116°~D42°/V71°~V25°(3.0~10.5mm) H42°~H16°/D53°~D20°/V32°~V12° (7~22mm)
	Mount	Φ14	
	Focus Control	Auto/Manual	
	Iris Control	Auto/Manual (Optional for I Series)	
LPR	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>95%	
	Coverage	Support simultaneous detection of 4 regions	
	White/Black List	Up to 1000 records inside the camera	
	Smart Traffic Detection	License Plate Recognition, Plate Type Classification, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition, Vehicle Direction Detection	
Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series) , 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series) , 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
	Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
Audio I/O		1/1	
Alarm I/O		1/1	


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	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G				
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark				
	SIP/VoIP Support	Yes, Voice & Video-over-IP				
	Event Trigger	Black/White List, 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.				
	License Plate Recognition	Support				
	System Compatibility	ONVIF Profile G & Q & S & T, API				
General	Working Temperature	-40℃~60℃				
	Working Humidity	0~90%(Non-condensing)				
	Power Supply	PoE (802.3af) / DC 12V±10%				
	Power Consumption	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border-right: 1px dashed black;">8W MAX</td> <td style="text-align: center;">9W MAX</td> </tr> <tr> <td style="text-align: center; border-right: 1px dashed black;">16W MAX (With IR on)</td> <td style="text-align: center;">12.5W MAX (With IR on)</td> </tr> </table>	8W MAX	9W MAX	16W MAX (With IR on)	12.5W MAX (With IR on)
	8W MAX	9W MAX				
	16W MAX (With IR on)	12.5W MAX (With IR on)				
	Weather Proof	Up to IP67-rated for Weather-resistant Performance				
	Housing	Vandal-proof IK10-rated Metal Housing				
	Weight	1630g				
Dimensions	320mmX134mmX126mm					
Warranty	3/5 Years					

	Name	(Radar) AI LPR 4X/12X Pro Bullet Plus Network Camera		
Camera	Appearance			
	Model	MS-C2866-X4TL(V)PC (2MP)	MS-C2966-X12R(T)L(V)PC (2MP)	MS-C5366-X12L(V)PC (5MP)
	Image Sensor	1/2" Progressive Scan CMOS		
	Min. Illumination	Color: 0.001Lux@F1.2 Color: 0.002Lux@F1.6 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR Pro	140dB Super WDR(Super WDR Pro is optional for T Series)	120dB Super WDR
	Shutter Time	1/100000s~1s		
	IR Distance	Up to 180m		
	Day/Night Mode	Day/Night/Auto/Customize/Schedule		
	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°	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
Mount		Φ14		
Focus Control		Auto/Manual		
Aperture		F1.6~F1.7	F1.6~F2.8	
Iris Control		Auto		
LPR	Max. Vehicle Speed	200km/h		
	Recognition Accuracy	>95%		
	Coverage	Support simultaneous detection of 4 regions		
	White/Black List	Up to 1000 records inside the camera		
	Smart Traffic Detection	License Plate Recognition, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition, Vehicle Direction Detection, Speed Detection, Traffic Flow Detection		
Radar (Optional)	Working Frequency	60GHz, 61~62GHz		
	Capture Rate	>99% (Traffic jam >95%)		
	Lane Coverage	1~4 Lanes (Recognition ≥95% individually)		
	Tracking Target	Up to 32		
	Speed Detection Range	±5km/h~±200km/h		
	Speed Detection Accuracy	±0.36km/h		
	Detection Distance	Up to 90m		
	Distance Detection Accuracy	±0.4m		
	Angle Measurement Accuracy	±0.5°		
	Installation Height	2~7m		

Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series) , 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series) , 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
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	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	Event Trigger	Black/White List, 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.	
	System Compatibility	ONVIF Profile G & Q & S & T, API	
General	Working Temperature	-40°C~60°C	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V±10%	
	Power Consumption	8W MAX 14W MAX (With IR on)	8W MAX 13W MAX (With IR on)
	Weather Proof	Up to IP67-rated for Weather-resistant Performance	
	Housing	Vandal-proof IK10-rated Metal Housing (Without Radar Module)	
	Surge Protection	4KV	
	Weight	1445.8g 1623g (With radar module)	1447g 1625g (With radar module)
	Dimensions	320mmX134mmX126mm 320mmX134mmX171mm (With radar module)	
	Warranty	3/5 Years	

	Name	AI LPR 12X PTZ Bullet Network Camera	
Camera	Appearance		
	Model	MS-C2961-X12R(T)LPC (2MP)	MS-C5361-X12LPC (5MP)
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.6 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.6 B/W: 0Lux with IR on
	WDR	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 140m	
	Digital Zoom	16X	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Focal Length	5.3~64mm, 12X Optical Zoom	
	Zoom Speed	Approx 4s (Wide-Tele)	
	Field of View	H61°~H5°/D69°~D5°/V36°~V2°	H57°~H4°/D69°~D5°/V44°~V1°
	Focus Control	Auto/Semi-Auto/Manual	
	Minimum Working Distance	1000/1500mm (Wide/Tele)	
	Aperture	F1.6~F2.8	
	Iris Control	Auto	
LPR	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>95%	
	Coverage	Support simultaneous detection of 4 regions	
	White/Black List	Up to 1000 records inside the camera	
	Smart Traffic Detection	License Plate Recognition, Plate Type Classification, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition, Vehicle Direction Detection	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~50°/s, Pan Preset Speed: 50°/s	
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~25°/s, Tilt Preset Speed: 25°/s	
	Proportional Zoom	Support	
	Preset Quantity	300	
	Preset Freezing	Support	
	Patrol	8 Patrols, up to 48 presets each patrol	
	Pattern	4 Patterns	
	Auto Tracking	Support	
	Power Off Memory	Support	
	Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position	
Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series) , 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series) , 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536),60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536),50fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)

Video	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)
	ROI	Up to 8 areas
	Image Setting	Brightness/Contrast/Saturation/Sharpness
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port
	Audio I/O	1/1 (Optional)
	Alarm I/O	1/1 (Optional)
Network	Network Storage	NAS(Support NFS, SMB/CIFS), ANR
	Protocol	IPv4/IPv6, ARP, TCP, UDP, RTP, RTSP, 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	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	Auto Tracking, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Black/White List, Motion Detection, Network Disconnection, External Input (Optional), Audio Alarm (Optional), etc.
	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output (Optional), SIP Phone, White LED, PTZ Motion, HTTP Notification, etc.
	License Plate Recognition	Support
General	System Compatibility	ONVIF Profile G & Q & S & T, API
	Working Temperature	-40°C~60°C
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3at) / DC 12V/2A±10%
	Power Consumption	15W MAX / 20W MAX (With IR on) 14W MAX / 20W MAX (With IR on)
	Weather Proof	Up to IP66-rated for Weather-resistant Performance
	Weight	2Kg (Wall Mount) / 1.8Kg (Pedestal Mount)
	Dimensions	160mmX273.5mmX210mm (Wall Mount) / 218mmX120mmX172mm (Pedestal Mount)
Warranty	2 Years / 3 Years (Optional)	

Name		AI LPR 20X/23X PTZ Bullet Plus Network Camera	
Camera	Appearance		
	Model	MS-C2867-X20TLPC (2MP)	MS-C5367-X23LPC (5MP)
	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux@F1.2 Color: 0.002Lux@F1.7 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.5 B/W: 0Lux with IR on
	WDR	140dB Super WDR Pro	120dB Super WDR
	Shutter Time	1/100000s~1s	
	IR Distance	Up to 180m	
	Digital Zoom	16X	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
	Lens	Lens	6.4~128mm, 20X Optical Zoom
Field of View		Approx 5s (Wide-Tele)	Approx 6s (Wide-Tele)
Zoom Speed		H60°~H3°/D67°~D4°/V37°~V1°	H55°~H3°/D68°~D4°/V42°~V2°
Focus Control		Auto/Semi-Auto/Manual	
Minimum Working Distance		1000/1500mm (Wide/Tele)	
Aperture		F1.7~F2.1	F1.5~F3.5
Iris Control		Auto	
LPR	Max. Vehicle Speed	200km/h	
	Recognition Accuracy	>95%	
	Coverage	Support simultaneous detection of 4 regions	
	White/Black List	Up to 1000 records inside the camera	
	Smart Traffic Detection	License Plate Recognition, Plate Type Classification, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition, Vehicle Direction Detection	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 60°/s	
	Tilt Range/Tilt Speed	-45°~30° / Tilt Manual Speed: 0.1°~30°/s, Tilt Preset Speed: 30°/s	
	Proportional Zoom	Support	
	Preset Quantity	300	
	Patrol	8 Patrols, up to 48 presets each patrol	
	Pattern	4 Patterns	
	Auto Tracking	Support	
	Power Off Memory	Support	
	Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position	

Video	Max. Image Resolution	1920x1080	2592x1944
	Primary Stream	60Hz: 100fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536),60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536),50fps@(1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)
	Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
	Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	1/1	
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	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
	Advanced Function	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
	SIP/VoIP Support	Yes, Voice & Video-over-IP	
	Event Trigger	Black/White List, 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.	
	License Plate Recognition	Support	
	System Compatibility	ONVIF Profile G & Q & S & T, API	
General	Working Temperature	-40°C~60°C	
	Working Humidity	0~90%(Non-condensing)	
	Power Supply	PoE (802.3at) / DC 12V/3A±10%	
	Power Consumption	12W MAX / 23W MAX (With IR on)	
	Weather Proof	Up to IP66-rated for Weather-resistant Performance	
	Housing	N/A	
	Weight	2.9Kg	
	Dimensions	110mmX337mmX220mm	
	Warranty	2 Years / 3 Years (Optional)	