

Milesight

AI LPR 23X/36X Speed Dome Network Camera

NDA A

IP66



DATASHEET

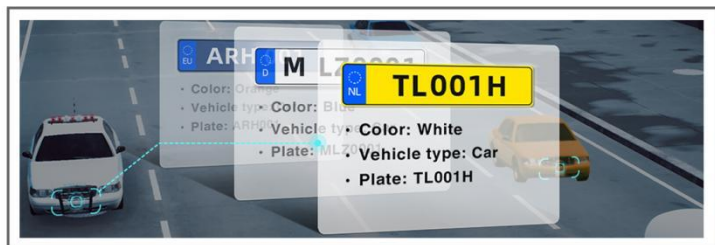


KEY FEATURES

- ▶ NDA A Compliance (The fully NDA A-compliant products are well suited for government, defense and a range of projects subject to the NDA A.)
- ▶ Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)
- ▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)
- ▶ 90fps High Frame Rate (Camera can easily catch images with no latency despite of the high-speed movement.)
- ▶ Smart PTZ Motion Detection (Pan and tilt to the position of motion detected area automatically and zoom in synchronously.)
- ▶ IR Distance up to 300m (Enabling 300 meters distinct images at night with IR LEDs.)
- ▶ 300 Preset Positions (The user can easily control the lens position via mouse to monitor interested area and set up to 300 preset positions for patrolling.)
- ▶ Keyboard Control (Shortcut keys for PTZ control via Keyboard.)
- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)

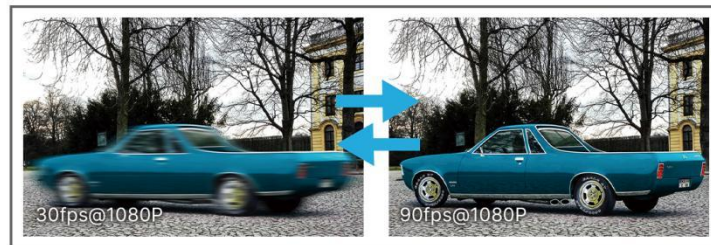
AI-powered LPR Algorithm

Based on AI algorithm, the LPR function provides value-added data via a pre-trained deep learning model, which can not only recognize vehicle plates in real time with high accuracy, but also identify more vehicle features, like vehicle type, color, etc., generating powerful security and traffic insights.



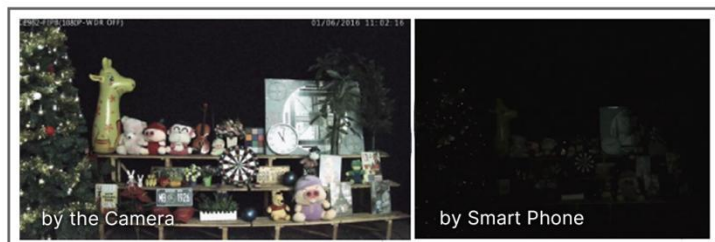
90fps

With the industry leading frame rate reaching 90fps, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the demanding requirements especially for intelligent cameras.



0.002Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.002Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.



Up to 36X Optical Zoom

Embedded with optical zoom lens, the cameras' resolution is up to 36X optical zoom which allows the user to zoom up to distant objects while still maintaining the clarity and delivering high quality video over the entire zoom range.



AI LPR 23X/36X Speed Dome Network Camera



	Model	MS-C2841-X36TLPA (2MP)	MS-C2941-X23TLPA (2MP)
Camera	Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@F1.55 B/W: 0Lux with IR on	Color: 0.005Lux@F1.5 B/W: 0Lux with IR on
	WDR	120dB Super WDR	
	Shutter Time	1/100000s~1s	
	Digital Zoom	16X	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Lens	Focal Length	5.7~205.2mm, 36X Optical Zoom	5~117mm, 23X Optical Zoom
	Zoom Speed	Approx 7s (Wide-Tele)	Approx 6s (Wide-Tele)
	Field of View	H63°~H3°/D69°~D3°/ V38°~V1°	H60°~H3°/D69°~D4°/ V35°~V2°
	Focus Control	Auto/Semi-Auto/Manual	
	Minimum Working Distance	1500/1500mm (Wide/Tele)	100/1500mm (Wide/Tele)
	Aperture	F1.55~F4.8	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 Recognition, Plate Color Recognition, Vehicle Type Classification, Vehicle Color Recognition	
PTZ	Pan Range/Pan Speed	360°endless / Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 250°/s	
	Tilt Range/Tilt Speed	-5°~90°(Auto Flip) / Tilt Manual Speed: 0.1°~160°/s, Tilt Preset Speed: 160°/s	
	Proportional Zoom	Support	
	Preset Quantity	300	
	Patrol	8 Patrols, up to 48 presets each patrol	
	Pattern	4 Patterns	
	Power Off Memory	Support	
	Other Function	Auto Scan, Auto Home, Preset Freezing, 3D Positioning, PTZ Limits, Initial Position	
IR	IR Distance	Up to 300m	Up to 200m
	IR Angle	Auto/Manual	
Video	Max. Image Resolution	1920x1080	
	Primary Stream	60Hz/50Hz: 90fps@(1920x1080, 1280x960, 1280x720, 704x576)	
	Secondary Stream	60Hz: 90fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x180)	
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x180) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x180)	

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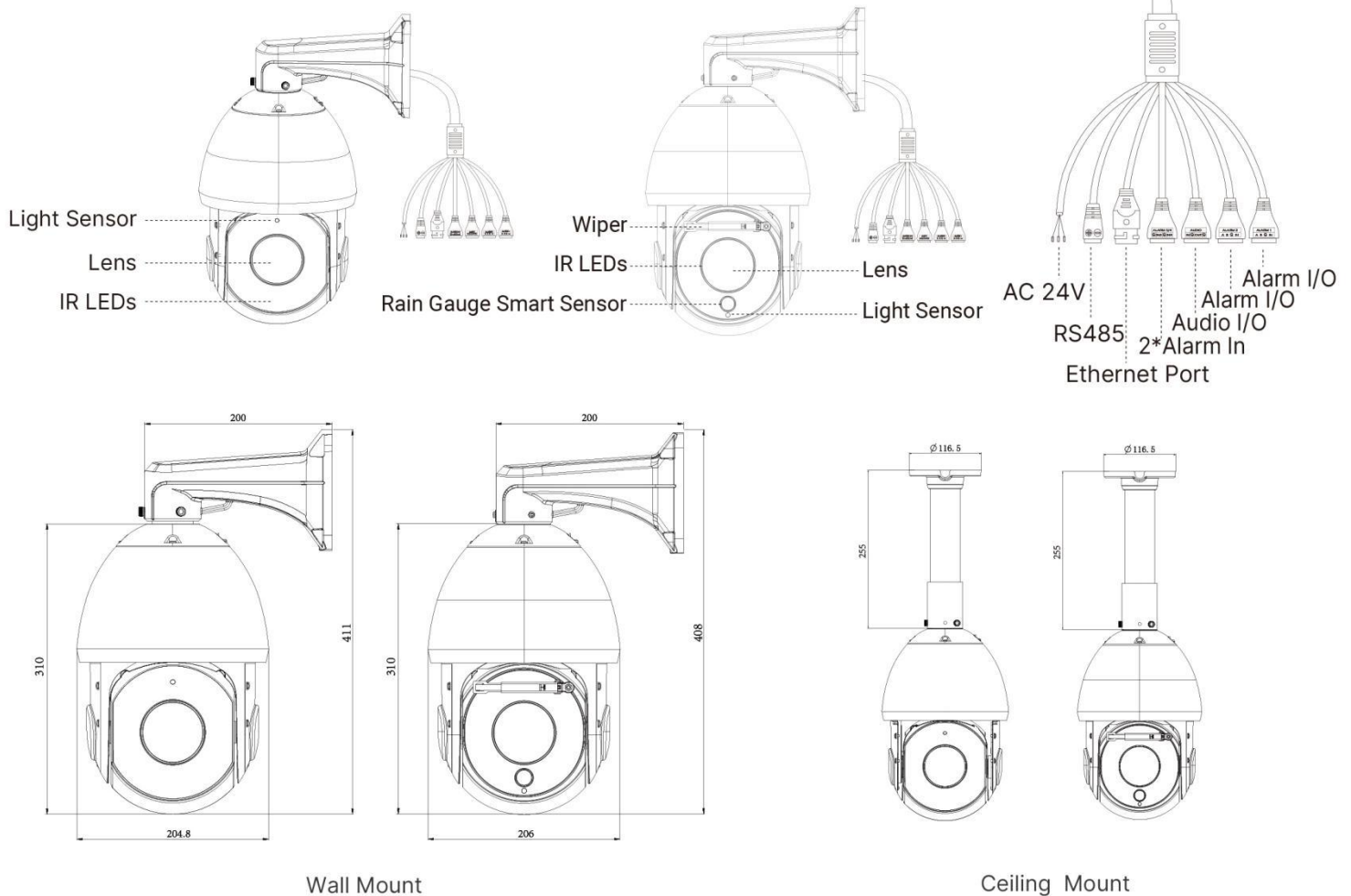


Video	Video Compression	H.265*/H.265(HEVC)/H.264*/H.264/MJPEG	
	Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
	Privacy Masking	Up to 24 areas	
	ROI	Up to 8 areas	
	Image Setting	Brightness/Contrast/Saturation/Sharpness	
Interface	Ethernet	1*RJ45 10M/100M Ethernet Port	
	Audio I/O	1/1	
	Alarm I/O	4/2	
	RS485	Support	
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, AWB, 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, PTZ Motion, HTTP Notification, etc.	
	System Compatibility	ONVIF Profile G & Q & S & T, API	
General	Working Condition	Temperature: -40℃~60℃ / Humidity: 0~90%(Non-condensing)	
	Power Supply	PoE (802.3at) / AC 24V/3A±10%	
	Power Consumption	13W MAX / 24W MAX (With IR on)	12W MAX / 24W MAX (With IR on)
	Weather Proof/Housing	Up to IP66-rated for Weather-resistant Performance / Vandal-proof IK10-rated Metal Housing(Optional)	
	Heater	Support	
	Wiper (Optional)	Support	-
	Surge Protection	6KV	
	Dimensions/Weight	Φ205mmX308mm/4Kg	
	Warranty	2 Years / 3 Years (Optional)	

AI LPR 23X/36X Speed Dome Network Camera



Structure Diagrams



Units: mm

Accessories Support

A41 Wall Mount (Default)

Weight: 400g
Dimensions: 200*129*100mm



A01 Pole Mount

Weight: 720g
Dimensions: 170*51.5*152.6mm



A03 External Corner Bracket

Weight: 900g
Dimensions: 170*152.5*76.3mm



A42 Pendant Mount

Weight: 650g
Dimensions: 116.5*255mm



A42-L Extension Lever

Weight: 325g
Dimension: 57*255mm



A43 Junction Box

Weight: 1000g
Dimensions: 195*164*80mm



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