Milesight

AI 23X/30X/36X/42X Speed Dome Network Camera

NDAA

IP66

AI | H.265+ HEVC | Starlight | Super WDR | IR | Privacy Masking | SD XC | GQST ONVIF | PoE | Weather-proof

DATASHEET

KEY FEATURES

- NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)
- 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 Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.
- People Counting technology provides high accuracy and real-time data based on AI algorithm with statistic reports.

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.

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 42X Optical Zoom

Embedded with optical zoom lens, the cameras' resolution is up to 42X 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.

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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		
Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed		
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting		
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	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)	12W MAX / 23W 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	-	Support
	Surge Protection	6KV		
	Dimensions/Weight	Φ205mmX308mm/4Kg		
	Warranty	2 Years / 3 Years (Optional)		

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	Model	20114899 (4K)
Camera	Image Sensor	1/1.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.009Lux@F1.55 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
	Zoom Speed	Approx 7s (Wide-Tele)
	Field of View	H66°~H3°/D72°~D3°/V41°~V1°
	Focus Control	Auto/Semi-Auto/Manual
	Minimum Working Distance	1500/1500mm (Wide/Tele)
	Aperture	F1.55~F4.8
	Iris Control	Auto
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
	IR Angle	Auto/Manual
Video	Max. Image Resolution	3840x2160
	Primary Stream	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
	Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x180)
	Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 320x180) 50Hz: 25fps@(1280x720, 704x576, 640x480, 640x360, 320x240, 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 24 areas
	ROI	Up to 8 areas
	Image Setting	Brightness/Contrast/Saturation/Sharpness

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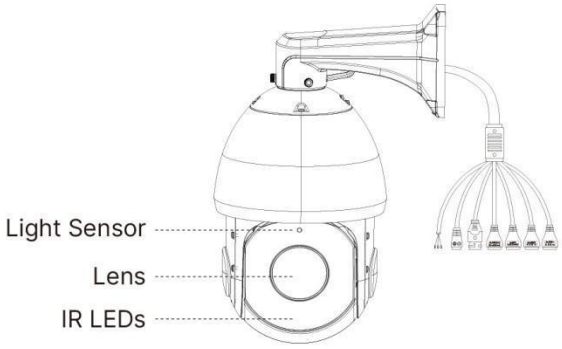
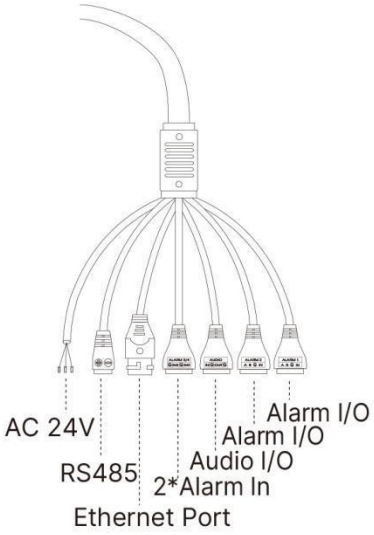
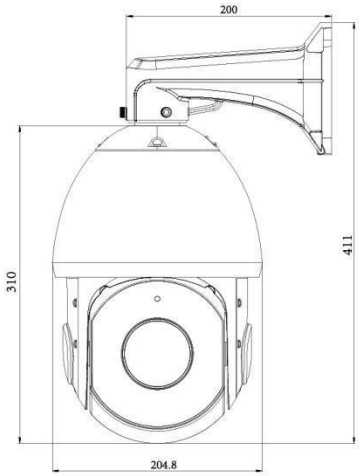
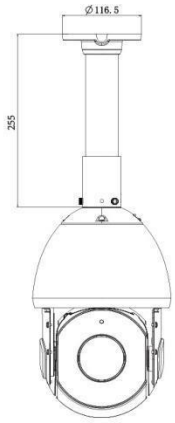
Structure Diagrams







Wall Mount



Ceiling Mount

Units: mm

Accessories Support

A01 Pole Mount

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

A03 External Corner Bracket

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

A41 Wall Mount

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

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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