AI Pro Box Plus Network Camera

Milesight

NDAA ✓

AI | H.265+ HEVC | Starlight | Super WDR | 3D Noise Reduction

Privacy Masking | SDXC | GQST OnVif | POE | Motion Detection

KEY FEATURES

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

▶ Auto Back Focus (Enabling camera to adjust back focal length automatically.)

▶ 0.001Lux Starlight (Deliver high detailed color images even in low light environment reaching 0.001Lux.)

▶ 120dB Super WDR (Excellent performance even when the ratio of the luminosity of brightest and darkest is up to 120dB.)

▶ Advanced Functions (Boasting to support various advanced functions such as HLC, ROI.)

▶ ICR Filter (Filtering the infrared ray out in the day, and automatically switch day and night mode.)

▶ RS485 port (Connecting an external electrical rotating bracket with the camera to realize PTZ control through WEB/ NVR/ CMS/ VMS/ APP interfaces.)

▶ 256G (Supporting ultra-large external microSD/SDHC/SDXC card storage up to 256G.)

▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream On, eg, H.265+ saves 70%~80% bandwidth that of H.264.)
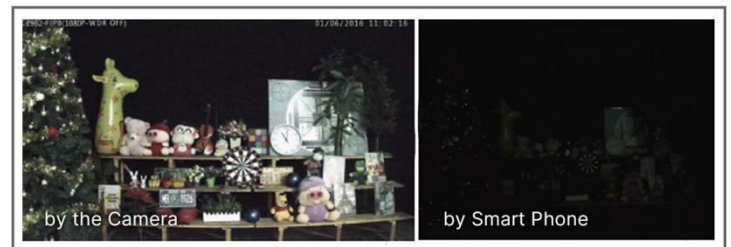
AI Video Analytics

• 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.
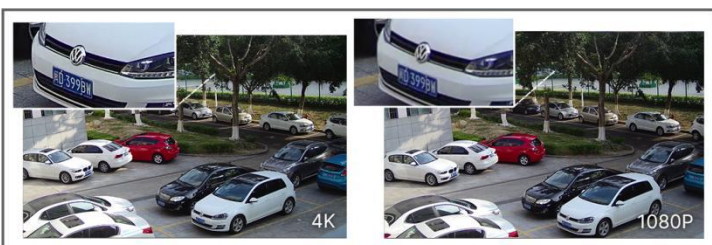

0.001Lux Ultra Low-light

The starlight camera is able to deliver high detailed color images even in low light environment reaching 0.001Lux(Color) or 0Lux(B/W), and near infrared light environments without any supplementary lighting.

30fps@4K

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

Various Zoom Lens Supported

The AI Pro Box Plus Camera allows the user to choose different zoom lens and the various lens can provide new perspectives, which perfectly caters to the needs for flexible surveillance.

Model	MS-C2852-R(E)PA (2MP)	MS-C2952-R(E)PA (2MP)
Camera		
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0.0005Lux@F1.2	Color: 0.002Lux@F1.2 B/W: 0.001Lux@F1.2
WDR	120dB Super WDR	
Mount	C/CS	
Iris	P-Iris/DC-Iris	
Shutter Time	1/100000s~1s	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	
Video		
Max.Image Resolution	1920x1080	
Primary Stream	60Hz: 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240)	
Tertiary Stream	60Hz: 30fps@(1280x720, 704x576, 640x480, 640x360, 352x288, 320x240) 50Hz: 25fps@(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 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	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	

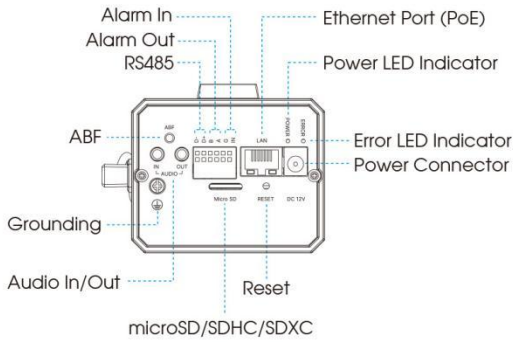| Intelligent Analytics	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed
	People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting
System	Auto Back Focus	Support(Optional)
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
	Advanced Function	Heat Map, 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, Audio Alarm, External Input, 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℃~60℃
	Working Humidity	0~90%(Non-condensing)
	Power Supply	PoE (802.3af) / DC 12V±10%
	Power Consumption	6W MAX for -PA Series 9W MAX for -EPA Series
	Weight	427g(For ABF version)/366g(For Non-ABF version)
	Dimensions	130mmX75mmX66mm
	Warranty	3/5 Years

AI Pro Box Plus Network Camera

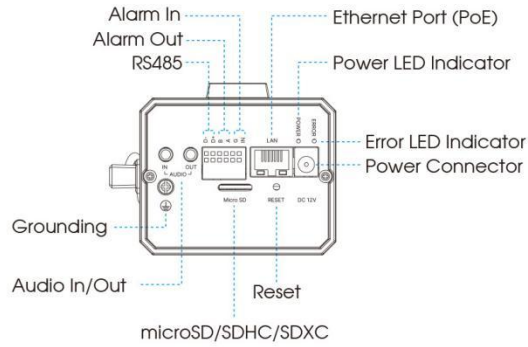|	Model	MS-C5352-PA (5MP)	MS-C8152-PA (4K)
Camera	Image Sensor	1/2.8" Progressive Scan CMOS	
	Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0.002Lux@F1.2	Color: 0.01Lux@F1.2 B/W: 0.005Lux@F1.2
	WDR	120dB Super WDR	
	Mount	C/CS	
	Iris	P-Iris/DC-Iris	
	Shutter Time	1/100000s~1s	
	Day/Night Mode	Day/Night/Auto/Customize/Schedule	
	S/N	>55dB	
Video	Max.Image Resolution	2592x1944	3840x2160
	Primary Stream	60Hz: 30fps@(2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)	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) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240)	
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	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	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	
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	Audio Bit Rate	16~256kbps	
	Two-way Audio	Support	

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System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
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	SIP/VoIP Support	Yes, Voice & Video-over-IP
	Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.
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	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	7W MAX
	Weight	366g
	Dimensions	130mmX75mmX66mm
	Warranty	3/5 Years

V8.03

Structure Diagrams

Alarm In
Alarm Out
RS485
Ethernet Port (PoE)
Power LED Indicator
ABF
Error LED Indicator
Power Connector
Grounding
Audio In/Out
Reset
microSD/SDHC/SDXC

(ABF)

Alarm In
Alarm Out
RS485
Ethernet Port (PoE)
Power LED Indicator
Error LED Indicator
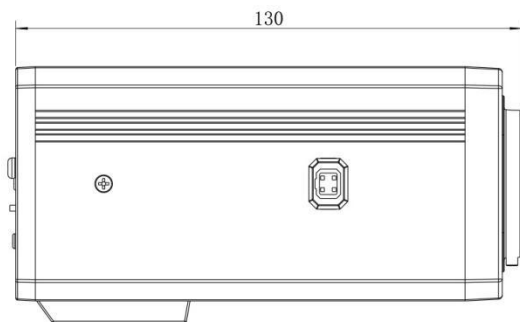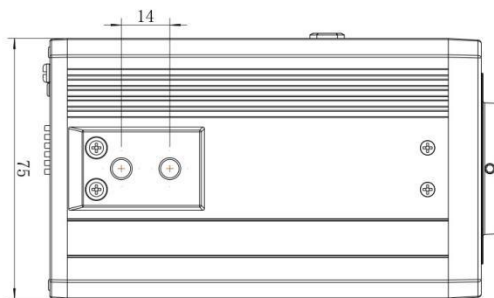Power Connector
Grounding
Audio In/Out
Reset
microSD/SDHC/SDXC

(Non-ABF)

66
60
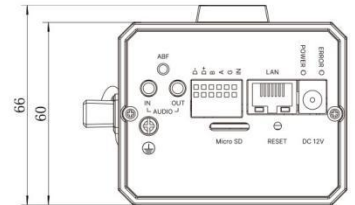
14
75

130

Units: mm

Accessories Support

A51 Protective Housing

Weight: 1988g
Dimensions: 380*150*H mm (H is adjustable)