

H.265⁺ Weather-proof Mini Dome Network Camera

















DATASHEET

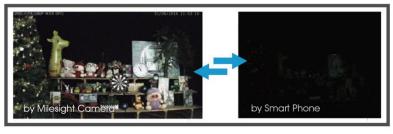
KEY FEATURES

- ▶ Smart Stream (Bandwidth, storage and bit rate are saved with Smart Stream ON, eg, H.265⁺ saves 70%~80% bandwidth that of H.264.)
- ▶ Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity to fit different lighting conditions.)
- Advanced Functions (Boasting to support various advanced functions such as HLC, Defog, ROI.)
- ▶ Built-in Microphone (Supporting audio function to hear what is happening in front of the camera.)
- ▶ SIP (Session Initiation Protocol. Providing audio/alarm/intercom and video streaming for mobile phones and video phones.)
- ▶ 3-Axis Mechanical Design (Featuring 3-axis mechanical design for fast and easy adjustment of the camera's viewing angle.)

Video Content Analysis

Milesight VCA with 10 detection modes provides advanced, accurate smart video analysis for Milesight network cameras, enabling the comprehensive surveillance function and quicker response to different monitoring scenes.





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.

140dB Super WDR

Milesight's sensor-based WDR technology allows the camera to record greater scene details with true color reproduction even under the extreme back light and high contrast conditions. The ratio that the brightest light signal values divided by the darkest light signal values is up to 140dB.



IP67&IK10

Supporting IP67-rated weather proofing and IK10-rated vandal proof which are the leading level of the industry, the camera is well protected against adverse impact to ensure the performance.

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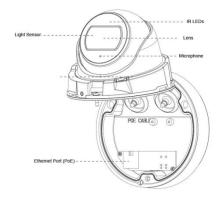
Model					
Amm. Illumination Color: 0.002Lux@F1.2 B/W: Outs with if con		Model			
Mm. Humination		Image Sensor	1/2.8" Progressive Scan CMOS		
Lens		Min. Illumination]		
Mount		WDR	140dB Super WDR	120dB Super WDR	
Field of View		Lens	2.8mm @F2.0 / 3.2mm @F2.2 / 3.6mm @F2.2		
Field of View	Comoro	Mount	M12		
R Distance Day No. Process Day No. Process Day No. Process	Camera	Field of View	H108°/D126°/V59°(3.2mm)	H98°/D124°/V73°(3.2mm)	
Day&Night S/N 3-5568 3-568 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888 3-688 3-888		Shutter Time	1/100000s~1s		
Video Max. Image Resolution 1920x1080 2592x1944 Video Max. Image Resolution 1920x1080, 1280x270, 704x576) 201ps@(2592x1944), 301ps@(2048x1536, 1920x1080, 1280x960, 1280x700, 704x576) Video Secondary Stream 301ps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) Tertiary Stream 301ps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) Video Compression H.2657/H.2651HEVC)/H.2641/H.2641/MIPEG Video Rit Rate 16Kbps-16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness Metwork Network Storage Network Storage NAS(Support NFS, SMB/CIFS) Audio Compression Audio Compression Audio Interface Built-in Microphone Audio Interface Support microSD/SDHC/SDXC Card Local Storage, up to 256G Sil/VoilP Support Yes, Voice & Video-over-IP Event Trigger Motion Defect, AWB, EIS, IP Address Filtering, AGC, Ant-filicker, Corridor Mode, Deblur, Watermark Sil/Voil Pupport Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed Working Humidity O-990K(No		IR Distance			
Max. Image Resolution					
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Primary Stream 30fps@(1920x1080, 1280x960, 1280x720, 704x576) 1280x960, 1280x720, 704x576)	Video	Max. Image Resolution	1920x1080	2592x1944	
Tertiary Stream 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) Video Compression Video Bit Rate Image Setting Brightness/Contrast/Saturation/Sharpness Ethernet Network Storage Note Storage Audio Compression Audio Compression Audio Interface Storage Advanced Function SiP/VolP Support Event Action For Uideo Analysis Working Temperature Working Temperature Working Temperature Working Temperature Working Temperature Working Humidity Power Consumption Audio Punce Analysis General Housing Weight Housing Wideo Compression Audio Interface 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) H.265*/H.265*/H.264*/H.		Primary Stream	30fps@(1920x1080, 1280x960, 1280x720, 704x576)	, -, , , -, , , ,	
Tertiary Stream 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) Video Compression Video Bit Rate 16Kbps*16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness Ethernet 1*R145 10M/100M Ethernet Port Network Storage NAS(Support NFS, SMB/CIFS) Protocol IPV4/IPV6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Audio Compression G.711/AAC/G.722/G.726 Audio Interface Support microSD/SDHC/SDXC Card Local Storage, up to 256G Advanced Function Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SiP/VolP Support Support Yes, Voice & Video-over-IP Event Trigger Motion Detection, Network Disconnection, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility NonVIF Profile S & G & T & Q Working Temperature Working Temperature 40°C-60°C Working Humidity Poet (802.3af) Power Consumption Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight Goog (Junction Box Version) / 40106mmX76.5mm (Cable Out Version)		Secondary Stream	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)		
Video Bit Rate 16Kbps*16Mbps(CBR/VBR Adjustable) Image Setting Brightness/Contrast/Saturation/Sharpness		Tertiary Stream	30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)		
Image Setting Brightness/Contrast/Saturation/Sharpness		Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264/MJPEG		
Region Entrance, Region Extring, Advanced Motion Detection, Audio Alarm, etc. Event Action Fire Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Extring, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Removed Working Humidity Power Supply Poe (802.3af)		Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)		
Network Network Storage NAS(Support NFS, SMB/CIFS) Protocol IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMMP, UPnP, Bonjour, SIP, PPPOE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Audio Audio Compression G.711/AAC/G.722/G.726 Audio Interface Built-in Microphone Storage Support microSD/SDHC/SDXC Card Local Storage, up to 256G Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, SIP/VoIP Support Peroperation of Policy, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Tyes, Voice & Video-over-IP Event Trigger Motion Detection, Network Disconnection, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Humidity O"90%(Non-condensing) Power Supply PoE (802.3af) Power Supply PoE (802.3af) Power Consumption Vandal-proof IK10-rated Metal Housing / Up to 1P67-rated for Weather-resistant Performance		Image Setting	Brightness/Contrast/Saturation/Sharpness		
Protocol	Network	Ethernet	1*RJ45 10M/100M Ethernet Port		
Protocol IPv4/IPv6, ARP, TCP, UDP, RTCP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SMTP, SMMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL Audio Audio Compression G.711/AAC/G.722/G.726 Built-in Microphone		Network Storage	NAS(Support NFS, SMB/CIFS)		
Audio Interface Support microSD/SDHC/SDXC Card Local Storage, up to 256G Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Yes, Voice & Video-over-IP System Event Trigger Motion Detection, Network Disconnection, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Power Supply Power Consumption Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight Dimensions Ф108mmX96.5mm (Junction Box Version) / Ф106mmX76.5mm (Cable Out Version)		Protocol			
Audio Interface Built-in Microphone Storage Support microSD/SDHC/SDXC Card Local Storage, up to 256G Advanced Function Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, 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, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature -40°C~60°C Working Humidity O°90%(Non-condensing) Power Supply PoE (802.3af) Power Consumption 2.5W MAX Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight 600g (Junction Box Version) / 410g (Cable Out Version) Dimensions Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)	A	Audio Compression	G.711/AAC/G.722/G.726		
Advanced Function Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark SIP/VoIP Support Event Trigger Event Action Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Power Supply Power Consumption Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight Dimensions ORDINARY POWER SUPPLOY PO108mmX96.5mm (Junction Box Version) / 410g (Cable Out Version)	Audio	Audio Interface	Built-in Microphone		
Advanced Function Defog, AWB, EIS, 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, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature 40°C~60°C Working Humidity 0~90%(Non-condensing) Power Supply PoE (802.3af) Power Consumption 2.5W MAX Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight 600g (Junction Box Version) / 410g (Cable Out Version) Dimensions Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)	System	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G		
System Event Trigger Motion Detection, Network Disconnection, Audio Alarm, etc. Event Action FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc. Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature -40°C ~60°C Working Humidity 0~90%(Non-condensing) Power Supply PoE (802.3af) 2.5W MAX Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight 600g (Junction Box Version) / 410g (Cable Out Version) Dimensions Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)		Advanced Function			
Event Action Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Power Supply Power Consumption Housing Weight Ovandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight Dimensions Ovandal-proof Junction Box Version / 410g (Cable Out Version) ### Prover Consumption ### Prover Con		SIP/VoIP Support	Yes, Voice & Video-over-IP		
Video Analysis Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature -40°C~60°C Working Humidity 0~90%(Non-condensing) Power Supply PoE (802.3af) Power Consumption 4W MAX (With IR on) Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight Goog (Junction Box Version) / 410g (Cable Out Version) Dimensions Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)		Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.		
Human Detection, People Counting, Object Left, Object Removed System Compatibility ONVIF Profile S & G & T & Q Working Temperature Working Humidity Power Supply Power Consumption Housing Weight Ovandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight Onversion / Manage (Cable Out Version) Dimensions Human Detection, People Counting, Object Left, Object Removed ONVIF Profile S & G & T & Q Onversion S & G & T & Q Working Temperature -40°C~60°C Working Humidity 0~90%(Non-condensing) PoE (802.3af) 2.5W MAX 4W MAX (With IR on) Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight 600g (Junction Box Version) / 410g (Cable Out Version)		Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.		
Working Temperature Working Humidity Power Supply Power Supply Power Consumption Housing Weight Dimensions Working Temperature -40°C~60°C 0~90%(Non-condensing) PoE (802.3af) 2.5W MAX 4W MAX (With IR on) Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance 600g (Junction Box Version) / 410g (Cable Out Version) Ф108mmX96.5mm (Junction Box Version) / Ф106mmX76.5mm (Cable Out Version)		Video Analysis			
Working Humidity Power Supply Power Consumption Housing Weight Dimensions Working Humidity 0~90%(Non-condensing) PoE (802.3af) 2.5W MAX 4W MAX (With IR on) Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance 600g (Junction Box Version) / 410g (Cable Out Version) Ф108mmX96.5mm (Junction Box Version) / Ф106mmX76.5mm (Cable Out Version)		System Compatibility	ONVIF Profile S & G & T & Q		
Power Supply Power Consumption Cancel Power Consumption Power Consumption Power Consumption And A W MAX (With IR on) Housing Weight Formula	General	Working Temperature	-40℃~60℃		
General Power Consumption 2.5W MAX 4W MAX (With IR on) Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight 600g (Junction Box Version) / 410g (Cable Out Version) Dimensions Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)		Working Humidity	0~90%(Non-condensing)		
General Power Consumption 4W MAX (With IR on) Housing Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance Weight 600g (Junction Box Version) / 410g (Cable Out Version) Dimensions Φ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)		Power Supply	PoE (802.3af)		
Weight600g (Junction Box Version) / 410g (Cable Out Version)DimensionsΦ108mmX96.5mm (Junction Box Version) / Φ106mmX76.5mm (Cable Out Version)		Power Consumption			
Dimensions					
Warranty 3/5 Years		-			
		Warranty			

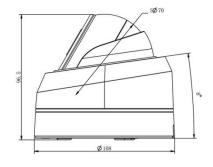
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Structure Diagrams

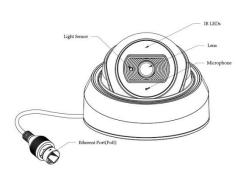
Junction Box Version

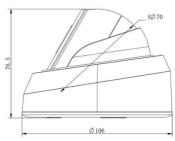


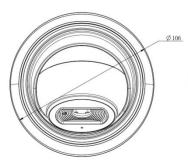


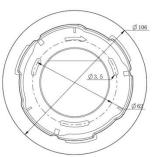


Cable Out Version









Units: mm

Accessories Support

A01 Pole Mount

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



A02 Internal Corner Bracket

Weight: 540g Dimensions: 170*23.2*205.3mm



A03 External Corner Bracket

Weight: 900g Dimensions: 170*152.6*76.3mm



A71 Wall Mount

Weight: 530g Dimensions: 162*124*78 mm



A81 Recessed Mount

Weight: 450g Dimensions: 168.9*168.9*91.3mm





Contact Us:sales@milesight.com support@milesight.com

Add: 220 NE 51st Street, Oakland Park, Florida 33334, USA Tel:+1-800-561-0485

Add: 925, Anyang SK V1 Center, LS -ro 116beon-gil, Dongan-gu, Anyang-si, Korea Tel: +82-31-990-7772



