

2020







180°/360° Wide Coverage to An Infinite World





anoramic View for All-round Surveillance

By reaching up to 12MP ultra high resolution, Milesight Panoramic Camera Series provides an amazing 180°/360° surround viewing experience with the finest details and the optimal user experience with On-board/Client-side Dewarping at your service.



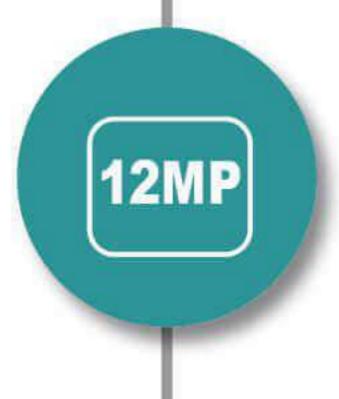
180°/360° Panoramic View

Panoramic cameras have the natural talent to ensure total coverage and eliminate all blind spots within their 180°/360° FoV. Overviewing an entire area with only one single-sensor, Milesight panoramic cameras facilitate to economize on installation and management and lend themselves perfectly to wide-area surveillance.



Stunning Dewarping Capability

Milesight panoramic cameras are all embedded with the powerful dewarping algorithm which can smoothly and fast transform original spherical images into plane images and minimize the geometric distortions caused by the camera lens.



Up to 12MP Ultra High Resolution

Thanks to the 12MP ultra high resolution, Milesight panoramic cameras can capture images of the entire area with superb clarity and finest details. More details and pixels convey more information to ensure situational awareness and precise target identification.



On-board/Client-side Dewarping

Milesight fisheye cameras support two ways of dewarping which bring users great flexibility during operation. On-board dewarping obtains the decoded video directly from the camera, furthering integrating with third-party VMS by offering undistorted images. While Client-side dewarping obtains the decoded video by the CPU of the management devices, providing immersive controls and dynamically change of viewing modes in the VMS client both in liveview and playback.

ntelligent Monitoring

Equipped with a bunch of cutting-edge smart functions like video analytics and heat map, Milesight Panoramic Camera Series offers more powerful and accurate surveillance solutions to help security personnel work more efficiently, which is able to relieve the pressure on human resources.

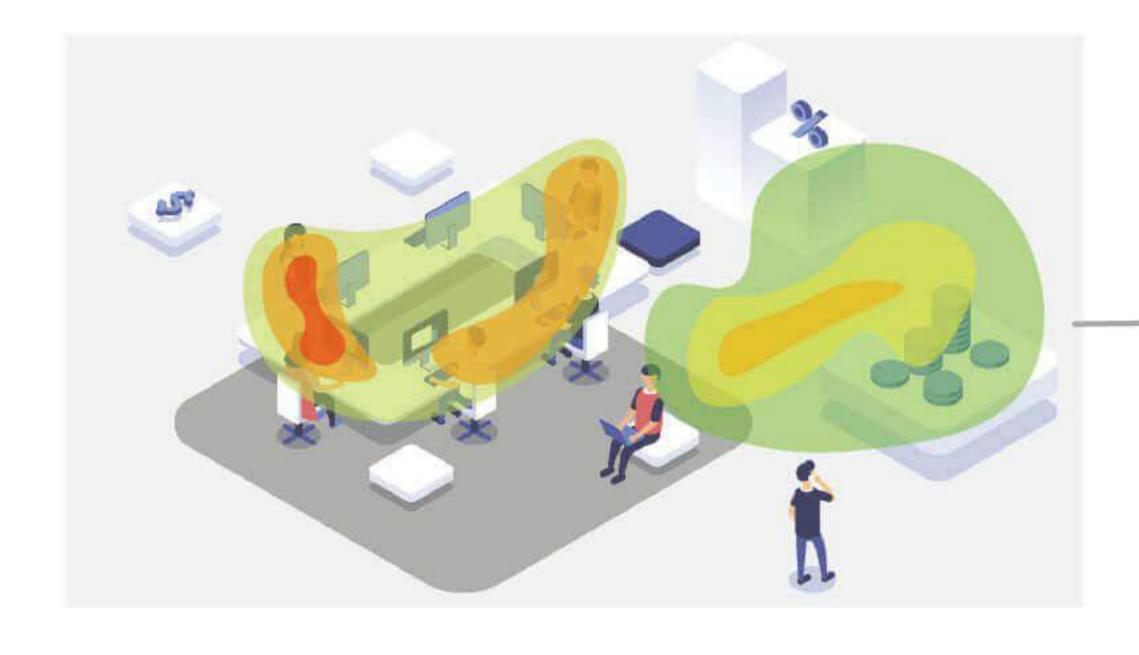
Behavior Analysis	Auto Tracking, Loitering, Object Left, Object Removed
Passing	Region Entrance, Region Exiting, Line Crossing
Detection	Motion Detection, Advanced Motion Detection, Human Detection, Tamper Detection
Statistics for Market Intelligence	Heat Map, People Counting

Advanced Heat Map

Applied in panoramic cameras, the Heat Map is used for the statistics of popularity in surveillance zones. Featuring various detailed configurations and intuitive time/space pattern, it visualizes visitor behavior which would greatly help improve the business intelligent management for smarter retail solutions.

Fisheye Auto Tracking

The algorithm-based Fisheye Auto Tracking enables the Fisheye Camera to leverage digital PTZ to better safeguard the monitored area from overall to partition. When moving object is detected in the view, the Original View or Panoramic View will display the whole view, while other Regional Views will cooperate with the linkage to track the details.



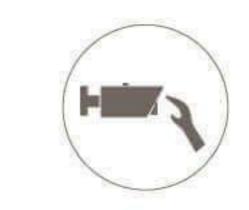
Milesight VCA

With built-in VCA, Milesight Panoramic Camera Series supports full 10 detection modes with the only single license, which can alert the operator of detected predefined events automatically to strengthen safety management and minimize damage through prompt response.





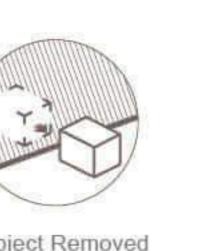














KEY FEATURES KEY FEATURES | 2

Superior Image Quality

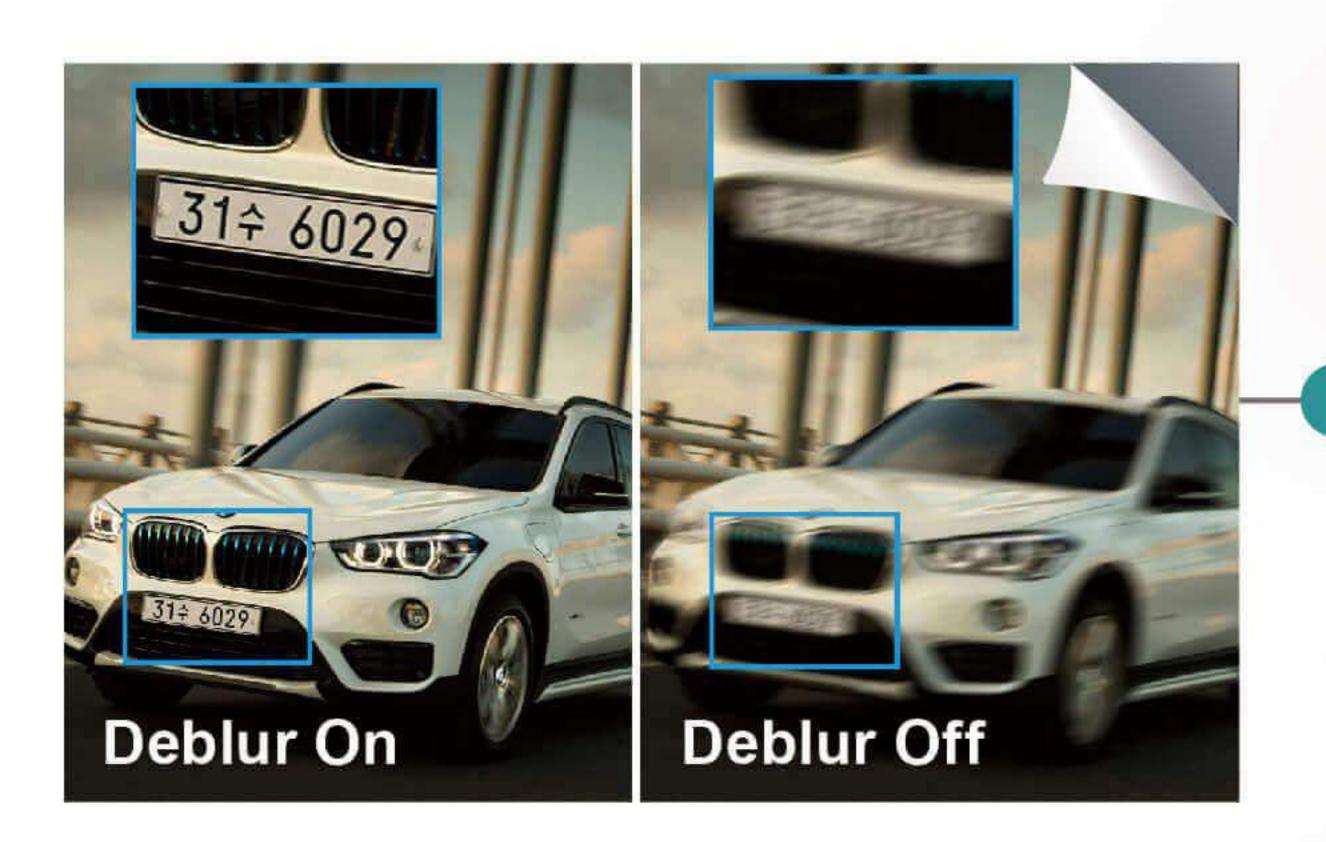
Milesight Panoramic Camera Series is featured with a variety of image optimization functions and is able to adapt to various environments, delivering high-quality images.

Image Enhancement	0.005Lux Starlight, Smart IR II Technology
Backlight	120dB WDR, BLC, HLC
Image Stability	Deblur, EIS, Fog Detection



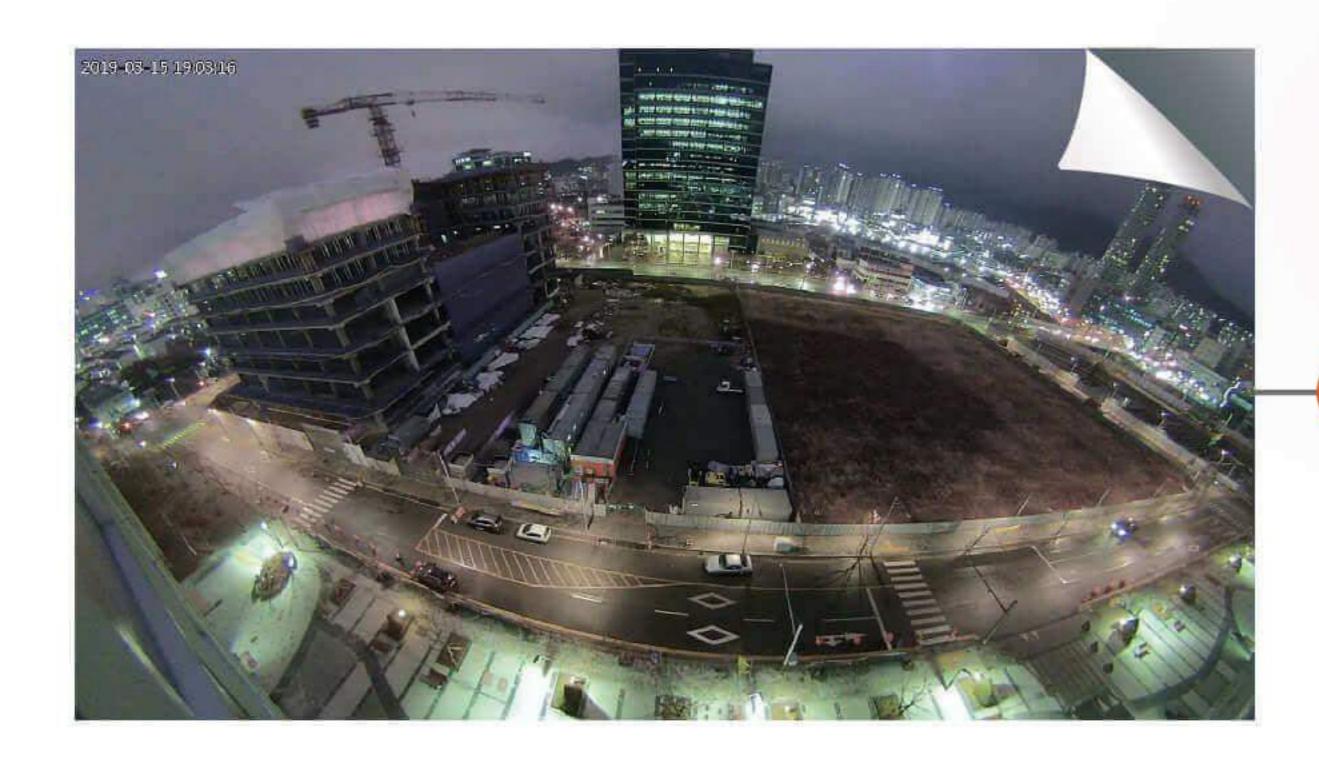
Smart IR II Technology, 180°/360° Uniform IR Coverage

The advanced Smart IR II Technology enables Milesight panoramic cameras to adjust the IR illumination intensity, which greatly optimizes the IR performance and ensures 24/7 surveillance coverage. While with the combination of High Beams and Low Beams, the built-in IR illuminators are elaborately designed to realize a uniform distribution within 180°/360° FoV.



High-quality Deblur

With the algorithm of deblur, Milesight Panoramic cameras offer fast shutter speeds under certain gain range, which can remove blurring artifacts caused by motion and improve image quality in good light conditions for fast-moving objects.

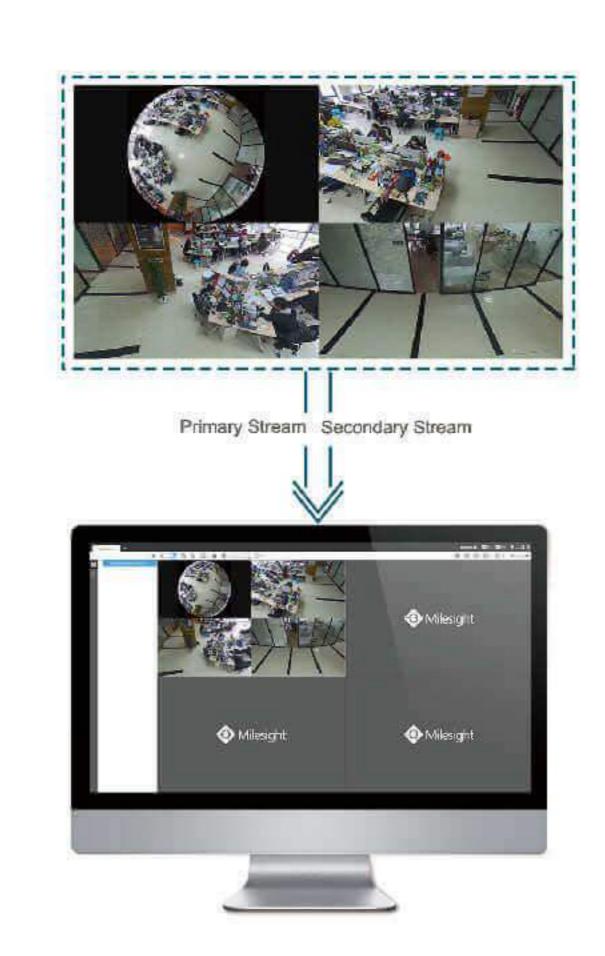


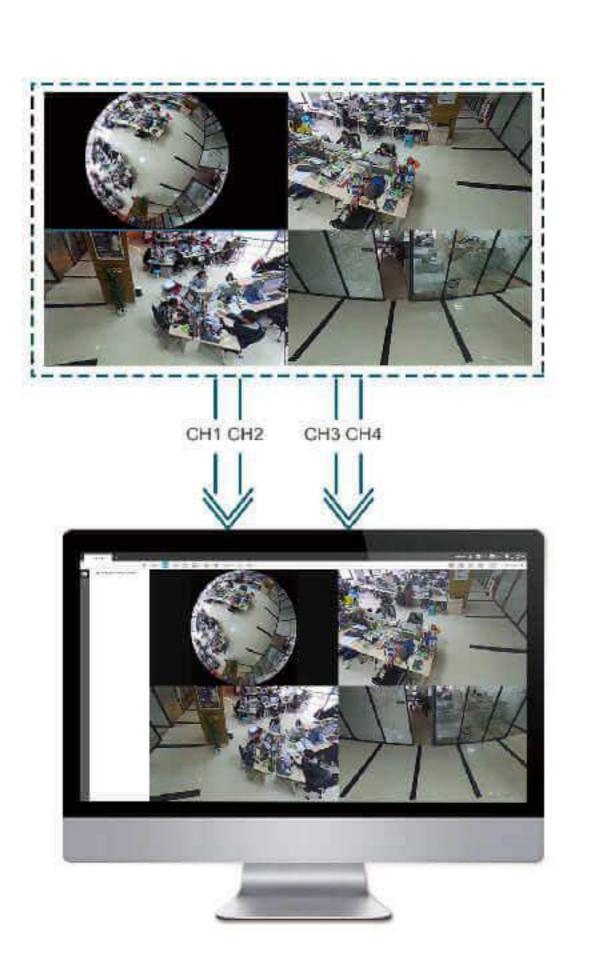
0.005Lux Starlight & 120dB WDR

Adopting Sony STARVIS Sensors, the Panoramic Camera Series boasts to deliver outstanding image performance in all kinds of demanding lighting conditions, especially in ultra low light environments. The cameras are also featured with 120dB WDR to combat the high-contrast lighting conditions and details are visible in both dark and light areas of the scene.

Broad Interoperability

Being customer-oriented, Milesight devotes its energies to maximize the interoperability of Milesight surveillance system. Milesight Panoramic Camera Series features various compatible technologies, bringing excellent user-experience.





Two Compatible Modes

Milesight creatively develops the Bundle-stream Mode to bundle all channels into one single stream and send it to NVR or back-end VMS, which can be rather simple for compatibility. While in Multi-Channel Mode, it sends all the original channels to NVR or VMS, allowing to configure the channels separately for better achieving more flexible playback ways.



Plugin-free

Milesight Panoramic Camera Series supports plugin-free capability, which greatly optimizes the user-experience in the browser.



Onvif G&S&T

Supporting ONVIF profile G&S&T, Milesight Panoramic Camera Series is easy to be integrated into the security systems on the basis of the ONVIF protocols.

Exquisite Design

Milesight Panoramic Camera Series earns its high reputation for its robust and unique structure design from the inside out. Insisting on the design philosophy of neatness and exquisiteness, it combines the practicability and aesthetics without compromise on the functionality.

High-class Durability

Milesight panoramic cameras are engineered with IP67-rated and IK10-rated housing to guarantee a stable and reliable operation even under rough conditions and in harsh climates. It can withstand extreme temperatures as low as -40°C and as high as 60°C and still deliver superior performance.



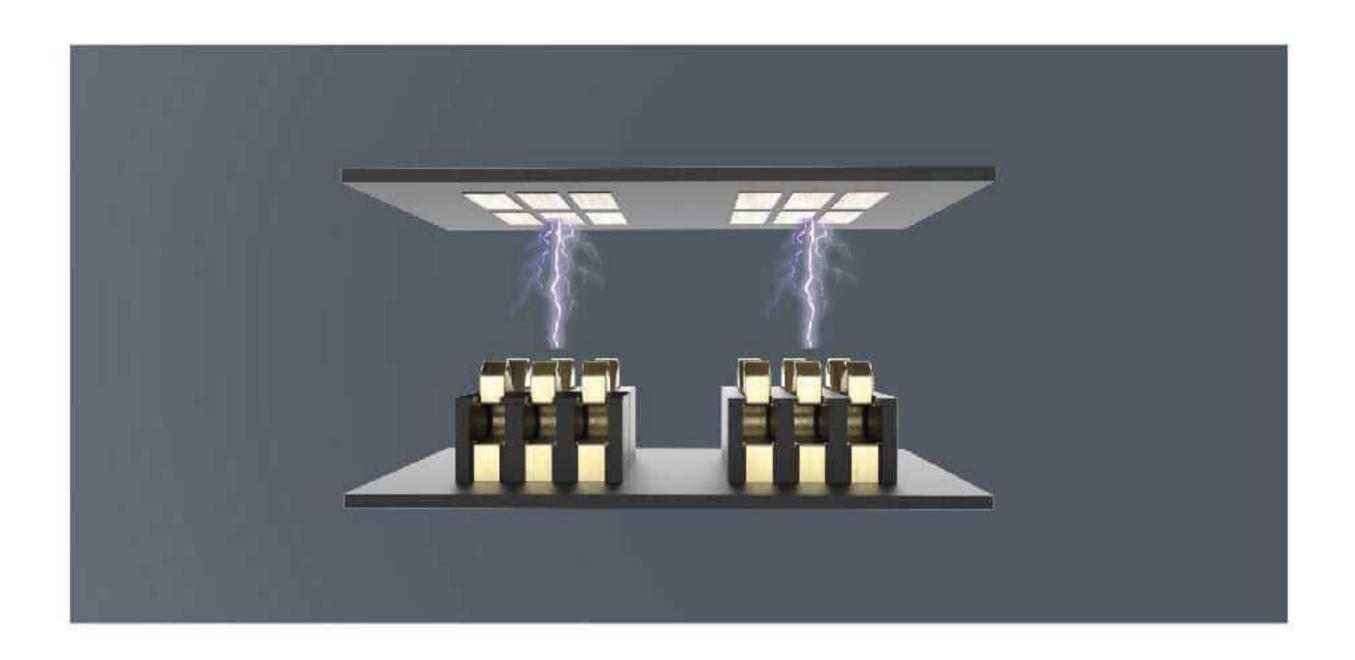






3 | KEY FEATURES | 4

Panoramic Camera Series



Point-contact Power Supply

Fusing the simplicity and usability into details, Milesight creatively introduces the point-contact power supply design into the Panoramic Camera Series. Unlike the traditional way of cable power supply, it offers users a lot of benefits like space savings, weight savings, faster installation and less maintenance.

Aesthetic Design

Poring over these bodies, you can find the merits highlighting from inside out. Featuring the screw-free design, the fisheye camera is designed for discreetness and ease to place. Inherited by the compact and elegant shape design, the panoramic bullet camera is so distinct that you would recognize it from Milesight at a glance.



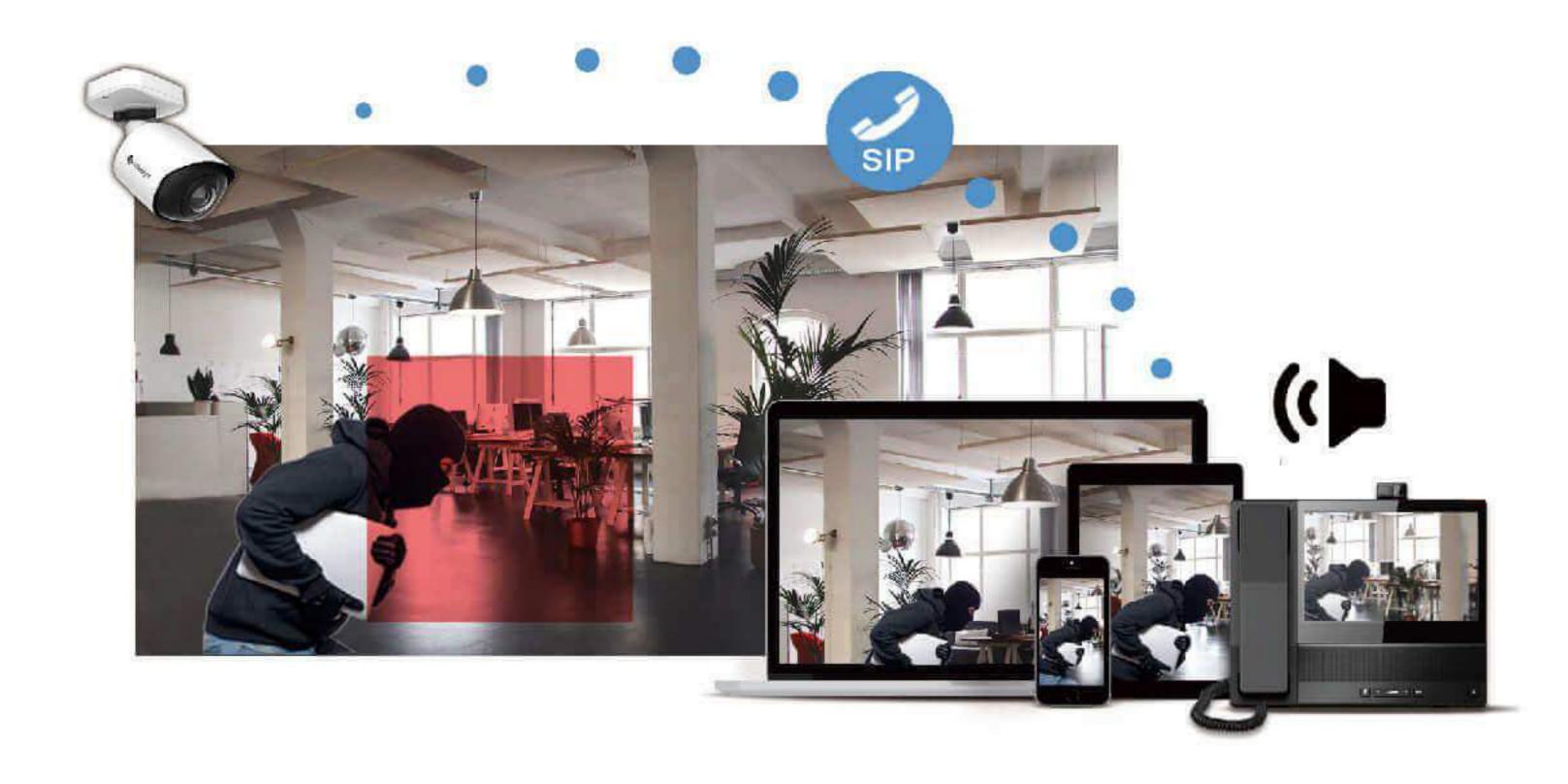


Intercommunication

Milesight Panoramic Camera Series with SIP can be integrated with VoIP systems to build more efficient and convenient security solutions.

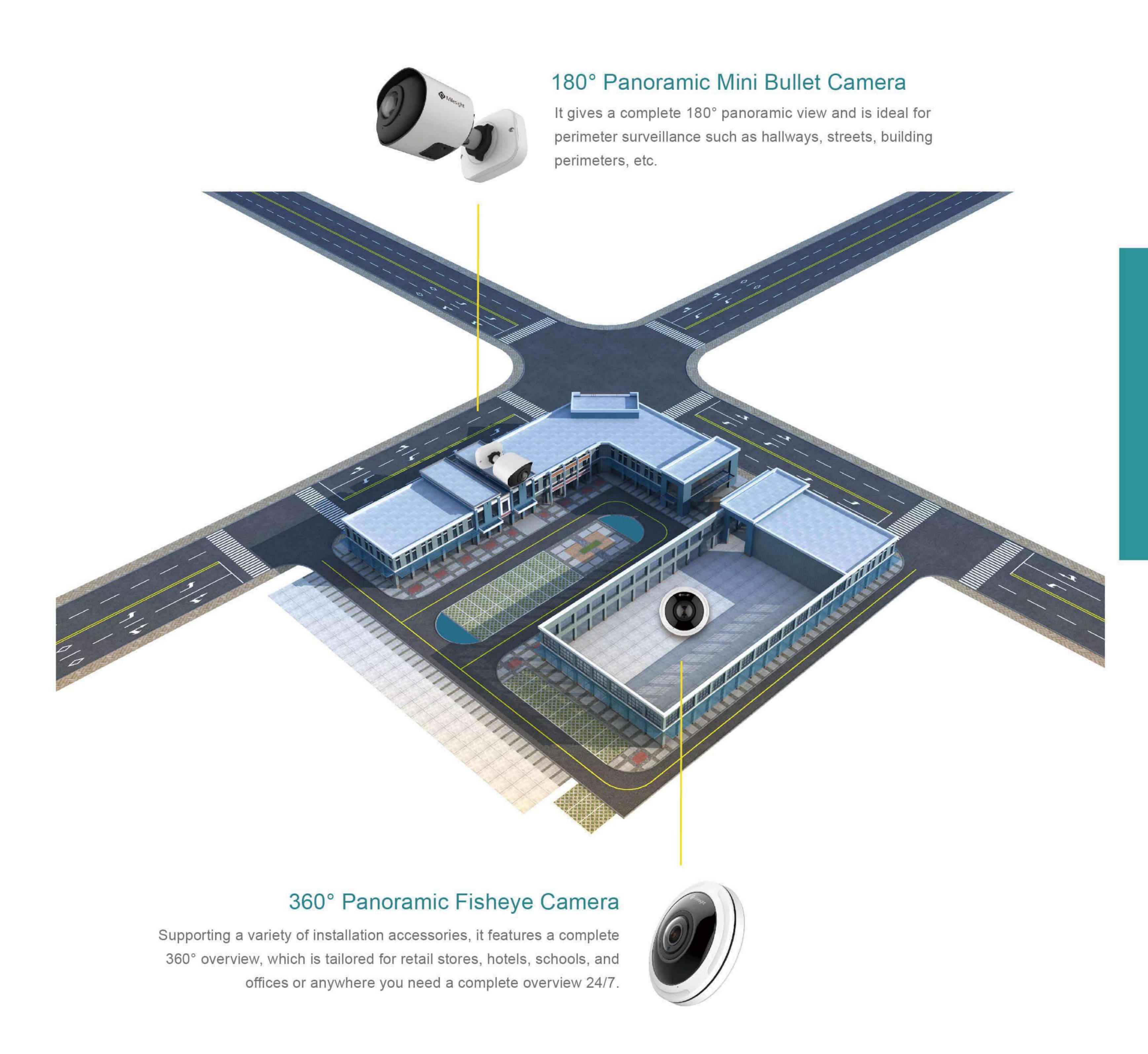
SIP Solution with Limitless Possibilities

Featured with built-in microphone and Audio I/O, Milesight panoramic cameras support SIP function which can integrate with various VoIP telephony systems to build a complete communication system. Then operators can receive an alarm phone call in time and check the real-time audio/video monitoring by VoIP to react instantly.



Various Application Scenarios

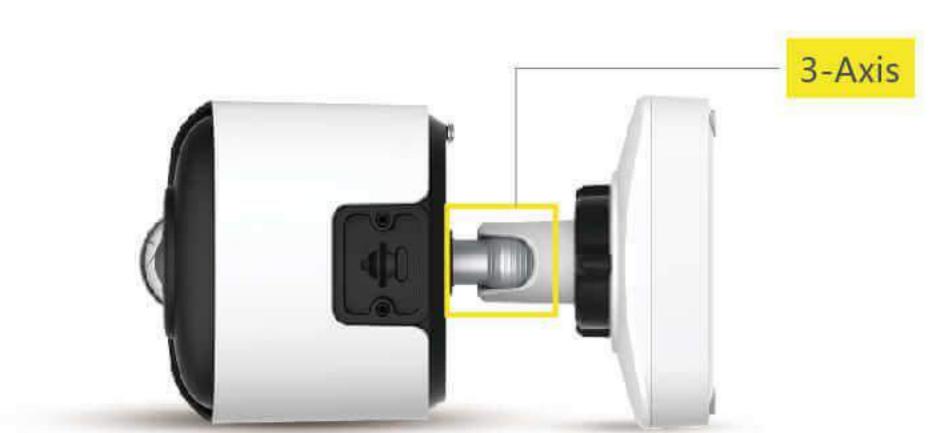
Achieving such a wide view within a single image, Milesight Panoramic Camera Series consists of 180° Panoramic Mini Bullet Camera and 360° Panoramic Fisheye Camera which covers a diverse range of applications and caters for different preferences in the market. With the 3-axis architecture, the Panoramic Mini Bullet Camera allows the technician to install the camera on a wall in any angle by positioning lens freely. And for the Fisheye Camera, it's in the shape of dome which is suitable for the ceiling mount in hall or wide areas.



KEY FEATURES



- 180° Panoramic View
- Up to 8MP Ultra High Resolution
- Stunning Dewarping Capability
- Advanced Heat Map
- Smart IR II with 15m IR Distance
- 0.005lux Starlight
- 120dB Super WDR
- High-quality Deblur
- IP67&IK10 Full Protection
- Built-in Microphone



Integrated Junction Box

The well-designed Integrated Junction Box ensures efficient and simple installation. It enlarges the space to make cable connection neat and as easy as a piece of cake.



3-Axis Mechanical Design

The considerate structure and the 3-axis mechanical design make sure of the network camera's best ease of use, realizing the greatest user experience.





With two IR LEDs which has angles to truly realize the 180° IR coverage, the IR design also features adjustable illumination intensity IR LEDs to guarantee IR performance.



Model(Megapixel)	MS-C5365-PB (5MP)	MS-C8165-PB (4K)	
Image Sensor	1/2.8" Progressive Scan CMOS		
Lens	1.68mm@F2.0		
Field of view	H180°/V95°	H180°/V86°	
Max. Frame Rate	30fps@(2592x1944)(Original)	15fps@(3840x2160)	
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on	
WDR	120dB Super WDR		
Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264/MJPEG		
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	95.8mmX74mmX158.5mm/630g		

180° PANORAMIC MINI BULLET CAMERA 180° PANORAMIC MINI BULLET CAMERA 18



- 360° Panoramic View
- Up to 12MP Ultra High Resolution
- Stunning Dewarping Capability
- On-board/Client-side Dewarping
- Fisheye Auto Tracking
- Advanced Heat Map
- Smart IR II with 15m IR Distance
- 0.005lux Starlight
- 120dB Super WDR
- High-quality Deblur
- IP67&IK10 Full Protection
- Screw-free Design
- Point-contact Power Supply
- Various Accessories



Various Accessories for Easy Installation

Milesight offers various installation accessories to make it easy to install and enhance the flexibility of installation needs.



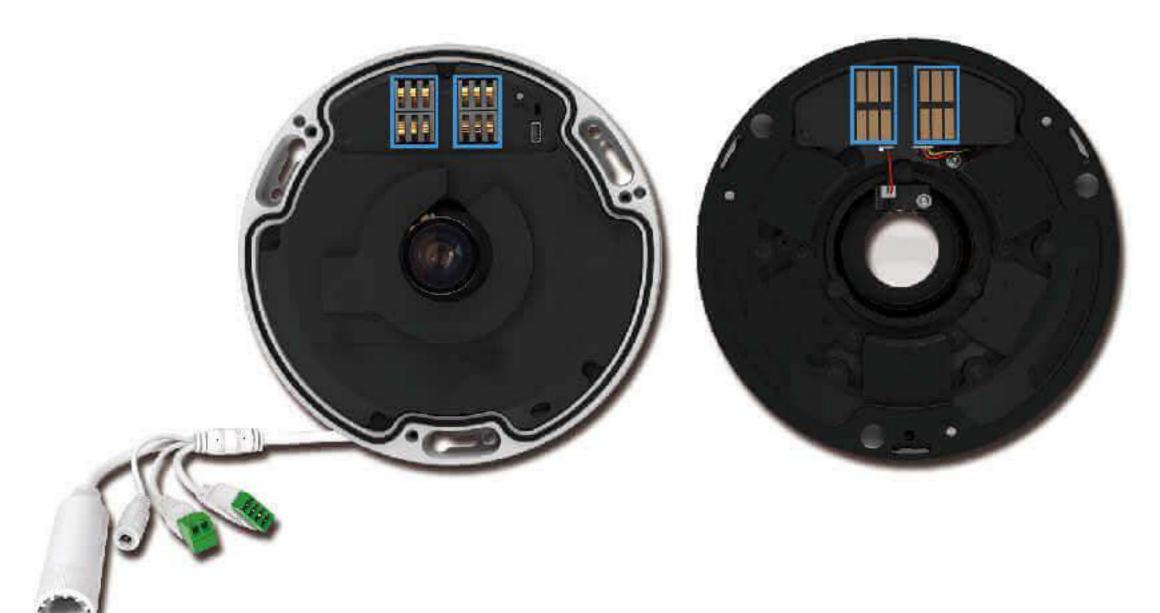




A72 Wall Mount

A75 Junction Box

A76 Pendant Mount



Exquisite Design for Better User-experience

The Power Supply Board replaces the traditional way of power supply with cable, which frees interior space, making the camera an art of surveillance inside and out.

Model(Megapixel)	MS-C5374-PB (5MP)	MS-C9674-PB (12MP)	
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS	
Lens	1.25mm@F2.0	1.98mm@F2.8	
Field of view	Ceiling Mount: 360°; Wall Mount: 180°; Flat Mount: 360°		
Max. Frame Rate	30fps@(2592x1944)	25fps@(4000x3000)	
Decoding Mode	On-board Dewarping/Client-side Dewarping		
Display Mode	Fisheye View, 360 Panoramic View, 180 Panoramic View, 4PTZ, Fisheye+3PTZ, Panoramic View+3PTZ	Fisheye View, 360 Panoramic View, 180 Panoramic View, 4PTZ, Fisheye+3PTZ, Panoramic View+3PTZ, Fisheye+Panoramic View+3PTZ	
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	Color: 0.01Lux@F1.2 B/W: 0Lux with IR on	
WDR	120dB Super WDR		
Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264		
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL		
Dimensions/Weight	Ф140mmX45.4mm/1100g		

360° PANORAMIC FISHEYE CAMERA 1 10 ■ 360° PANORAMIC FISHEYE PANORAMIC



Established in 2011, Milesight is a high-tech company specializing in the design and manufacture of best-in-class video surveillance solutions of multi-megapixel network cameras, NVR and software. Being customer-oriented, we are committed to providing better protection and higher security with a wide range of high-quality video surveillance solutions.

INNOVATION

QUALITY

SERVICE

About Milesight



INNOVATION



Milesight aims to bring customers more added value through innovative solutions, continually challenging the conventional for a smarter and safer future.

Attaching high importance to the R&D, Milesight keeps a fast and accurate turnaround to the quick developing security market and brings state-of-the-art technologies.





QUALITY

Quality is our foundation. With industry criteria embedded in the design details of Milesight products from inside out, we're in the endless pursuit of precise spirit to make perfection more perfect.











We have attained extensive international standards of certification, including CE/FCC/LVD/ROHS/ISO9001/UL, etc.



SERVICE

Milesight provides the exclusive and efficient support service that we stay close with our customers to follow the issue from beginning to end to make sure it would be well solved.



In Milesight, we treasure every customer, as a sustainable and win-win partnership is what we've long been striving for.

Better Inside, More in Sight

V1.1







Milesight Technology Co., Ltd. www.milesight.com Tel: +86-592-5922772(8801) - Sales +86-592+5922772(8701) - Support Mail: sales@milesight.com support@milesight.com

MILESIGHT USA Tel: +1-800-561-0485 Add: 220 NE 51st Street Oakland Park, Florida 33334, USA MILESIGHT KOREA Tel: +82-31-990-7772 Add: 925, Anyang SK V1 Center,

LS-ro 116beon-gil, Dongan-gu, Anyang-si, Korea

MILESIGHT CHINA Tel: +86-592-5922772

Add: No.23 Wanghai Road, 2nd Software Park, Xiamen, China

