



SECURITY SOLUTIONS

ABOUT

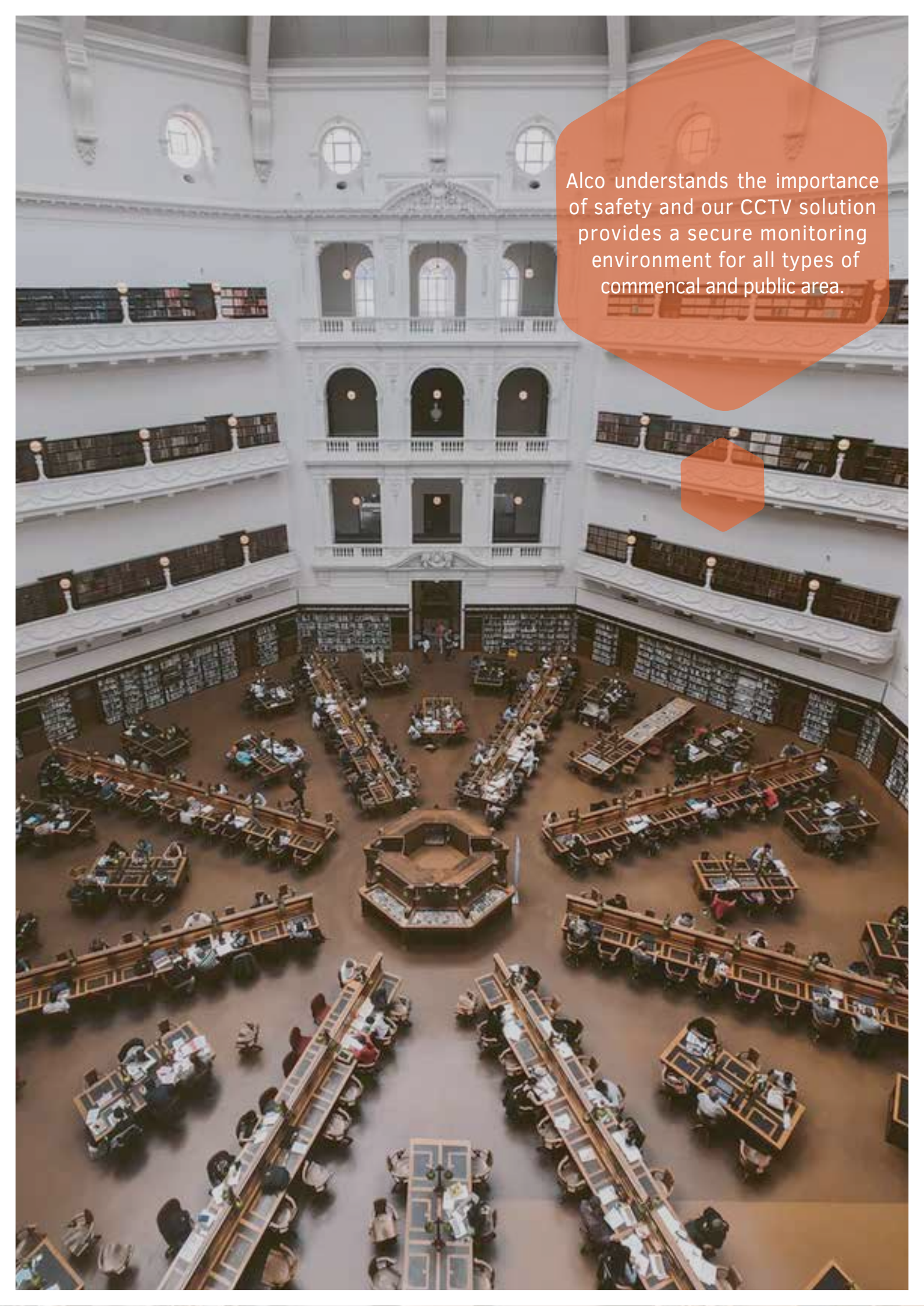
Alco is one of the leading intelligent solution providers of Fire Detection System and Security System in the United States of America. Based in California since 1992, we have grown to deliver the most innovative building management solutions (BMS) for commercial and industrial establishments around the globe.

Alco is committed to deliver effective solutions that can help our customers. Our supplied products are designed to cater our customers in the most effective manner and we take that responsibility very seriously.

Our smart and effective Building Solutions has given us an opportunity to diversify and explore new business opportunity in the market and we are extremely delighted to penetrate successfully in various large and medium scale projects.



Alco Security Solution is widely used to monitor public area to ensure safe and secure environment.



Alco understands the importance of safety and our CCTV solution provides a secure monitoring environment for all types of commercial and public area.



Alco CCTV Solution are widely used in various commercial and private sectors such as corporate offices, restaurant, hospitals, school etc. To provide quality surveillance our solution are also widely used in the residential sector to ensure safety.

We understand that busy public area such as parking spaces have many occupancies through out the day. Alco offers a wide range of cctv solution to manage such situations making it very easy for all our client.

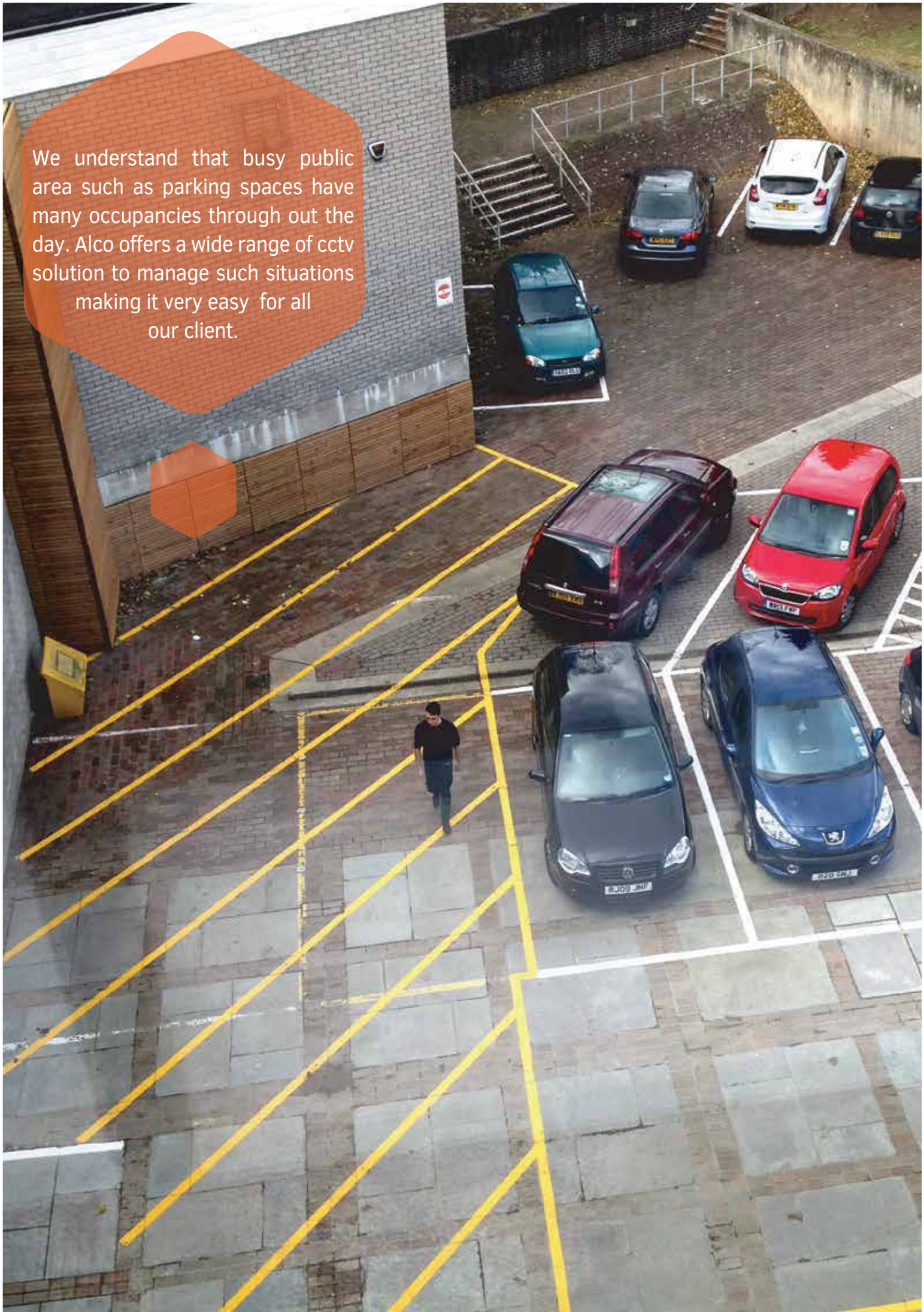




IMAGE QUALITY



Ultra High Definition

High Resolution up to 5MP / 4K / 12MP



0.001Lux Starlight

0.001Lux Light



3 in 1 Super WDR Pro-140dB

Combining Three Frames into one to bring more details especially for moving objects



Smart IR II Technology

Combining the High Beam and Low Beam and intelligently adjusting IR intensity to fit different lighting conditions



High-Quality Deblur

Removing blurring artifacts which caused by motion, providing better images for moving objects



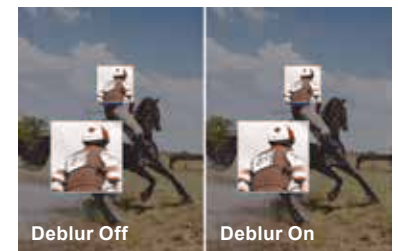
Defog

Restoring clear images in hazy and foggy weather



HLC

Improving image visibility under strong light sources

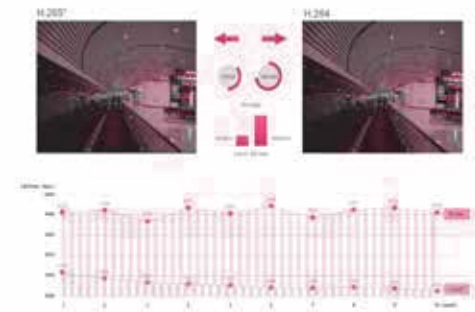


EXTRAORDINARY H.265+ COMPRESSION



H.265+ Compression

H.265+ codec cuts down 70%~80% bandwidth compared with H.264, while ensuring the high quality of images



INTELLIGENT SMART FUNCTIONS



License Plate Recognition (LPR/ANPR)



Video Content Analysis(VCA)



Advanced Heat Map



Face Detection

Automatically identifying human faces





INDUSTRIAL HARDWARE



Ultra Wide Angle Viewing

120°/180°/360° Ultra Wide Angle Lens



Flexible Optical Zoom

3X to 42X Optical Zoom Lens



1/1.8" Sensor@36X Model

Providing starlight image for Alco
Speed Dome Network Camera



VALUE-ADDED ADVANCED FUNCTIONS



Ultra High Frame Rate

Up to 120fps High Frame Rate



ROBUST PROTECTIVE CAPABILITY



IP67&IK10

IP67-rated Weather Proofing and IK10-rated Vandal Proofing



EN50155

Reliable Anti-vibration Certification



Surge Protection

Keeping the cameras from lightning strikes and other electrical surges



UNIQUE EASY INSTALLATION DESIGN



3-Axis Mechanical Design

For fast and easy adjustment of the camera's viewing angle, allowing to position the camera precisely



Clamshell Design

Enlarging the space to make cable connection a piece of cake, greatly saving installation trouble



Integrated Cable Management

Several interfaces are integrated in the base for neat installation



Point-contact Power Supply

The Point-contact Power Supply Board replaced the traditional way of power supply with cable, freeing the interior space



Flexible Installation Modes

Alco offers various installation accessories such as junction box to make it easy to install





CUTTING-EDGE 5G WIRELESS TRANSMISSION

The built-in 5G module makes Alco 5G Alot Camera a truly all-in-one system with higher mobility, supporting 5G network connection and wireless transmission while eliminating extra implement and management compared with add-on routers and easing the complexity of cable and fiber connections.

5G Higher Scalability

Enjoying a high degree of flexibility and scalability, 5G can not only achieve the deployment of a massive number of connected devices but also mission-critical applications. Moreover, 5G will further open up the use cases for edge computing, benefiting video analytics running on the edge to deliver advanced video analytics solutions.

5G Higher Bandwidth & Lower Latency

5G Higher Bandwidth facilitates the video surveillance with ultra-high-definition image quality up to 4K even 8K, meantime, realizes super-fast download and upload speeds. While the Lower Latency boosts camera responsiveness and real-time monitoring with almost no lagging time.



EMERGING IoT TRANSMISSION

Alco embedded LPWAN technology, one of the fastest-growing IoT communication strategies, empowers wireless and relatively long-distance connection with lower power consumption and now, the industry-leading lot technology via LoRaWAN" is applied in Alco 5G Alot Camera.

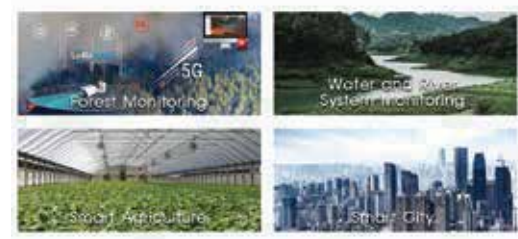
Sufficient Capacity

The sufficient capacity of lot technology enables Alco 5G Alot Camera to connect potentially millions of devices, covering the integration with billions of lo devices and realizing the mission critical applications, making a leap from video surveillance to the world of IoT.



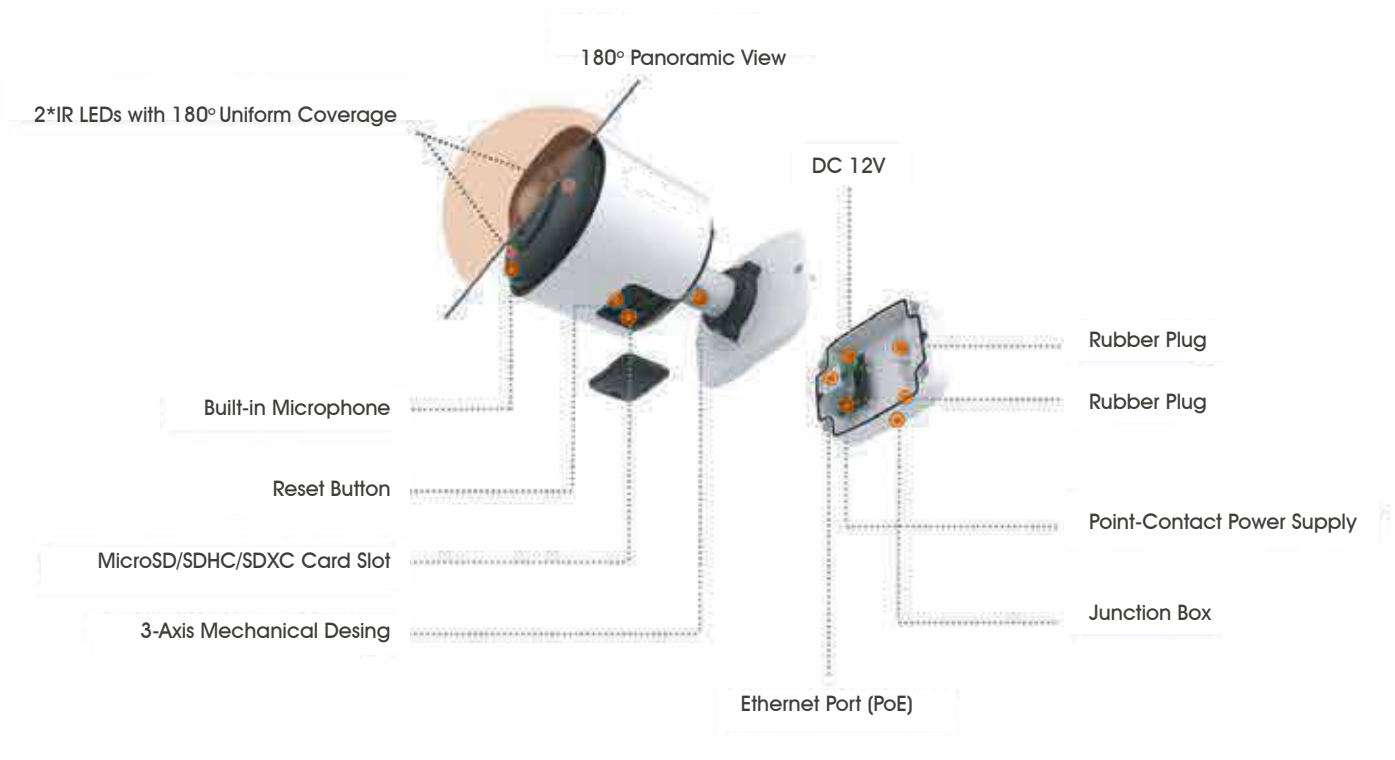
APPLICATION SCENARIOS

Alco Solution leverages cutting-edge technologies, including Sensory System, IoT technology, 5G, AI deep learning, to realize an intelligent and highly integrated 5G Alot solution, which is beyond just data collection also draws actionable insights, catering for the scenarios which are not suitable for laying wired network and have high demanding for device stability.





ALCO CLASSIC DESIGN





LITE SERIES

STATE OF THE ART HIGH DEFINITION

H.265+
HEVC
H.265+

Profile GSI
Onvif
ONVIF

VCA
VCA

PoE
PoE

Defog
Defog

256GB
256GB

SIP
SIP

Plugin-free
Plugin-free

Cyber
Security

H.265+ VANDAL-PROOF BULLET LITE CAMERA (2/5 MP)**H.265+ / 3 Axis Mechanical Design / PoE / SIP****KEY FEATURE**

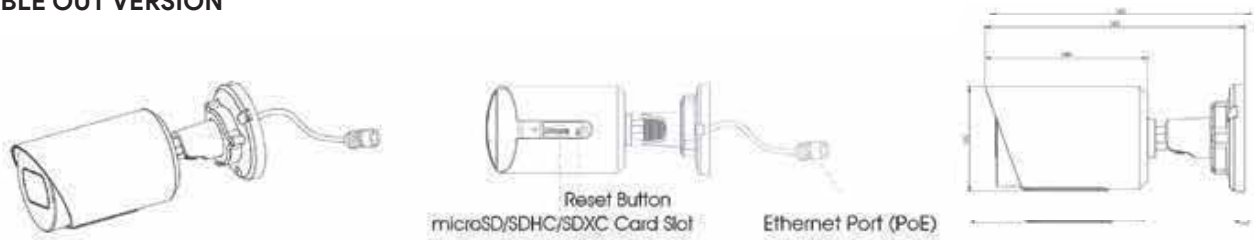
- Smart Stream
- Powerful IR LEDs
- Advanced Function
- Adjustable 3 Axis Bracket



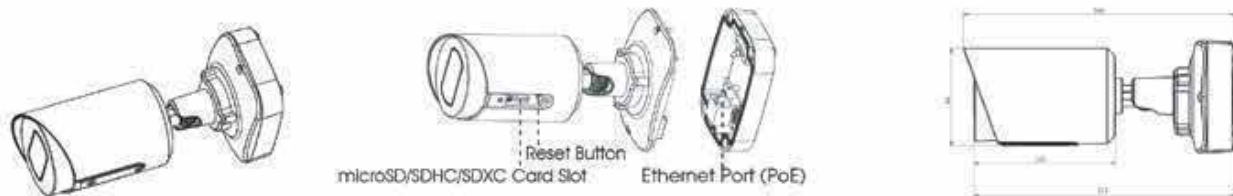
MODEL	AIS-NC2964-SPB	AIS-NC5364-PB
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
WDR	Super WDR 140dB	Super WDR 120dB
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6
Lens	2.8mm/4mm/6mm @F1.6	2.8mm/4mm/6mm @F1.6
Field of View	H111°/D128°/V61°(2.8mm)	H105°/ D131° / V78°
Mount	M12	M12
Shutter Time	1/1000000s~1s	1/1000000s~1s
IR Distance	Up to 30m	Up to 30m
Day & Night	ICR Filter Auto Switch	ICR Filter Auto Switch
S / N	>55dB	>55dB
Max. Image Resolution	1920x1080	2592*1944 @20fps
Primary Stream	30fps@(1920x1080, 1280x960, 1280x720, 704x576)	
Secondary Stream	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
Video Compression	H.265+/ H.265(HEVC)/H.264+/H.264/MJPEG	
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	16Kbps~16Mbps(CBR/VBR Adjustable)
Image Setting	Brightness/Contrast/Saturation/Sharpness	Brightness/Contrast/Saturation/Sharpness
Ethernet	1*RJ45 10M/100M Ethernet Port	1*RJ45 10M/100M Ethernet Port
Network Storage	NAS(Support NFS, SMB/CIFS)	NAS(Support NFS, SMB/CIFS)
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	
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G (Optional)	
Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI,	
SIP / VoIP Support	Yes, Voice & Video-over-IP	Yes, Voice & Video-over-IP
Event Trigger	Motion Detection, Network Disconnection, etc.	
Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.	
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection	
System Compatibility	ONVIF Profile G & Q & S & T	ONVIF Profile G & Q & S & T
Working Temperature	-40°C ~ 60°C	-40°C ~ 60°C
Working Humidity	0~90%(Non-condensing)	0~90%(Non-condensing)
Power Supply	PoE (802.3af)	PoE (802.3af)
Power Consumption	2.5W MAX / 3.6W MAX (With IR on)	2.5W MAX / 3.6W MAX (With IR on)
Weather Proof	Up to IP67-rated for Weather-resistant Performance	
Housing	Vandal-proof IK10-rated Metal Housing	
Weight	450g (Cable Out Version) / 610g (Junction Box Version)	
Dimensions	φ 64mmX160mm (Cable Out Version) / 97mmX74mmX180mm (Junction Box Version)	

STRUCTURE DIAGRAMS

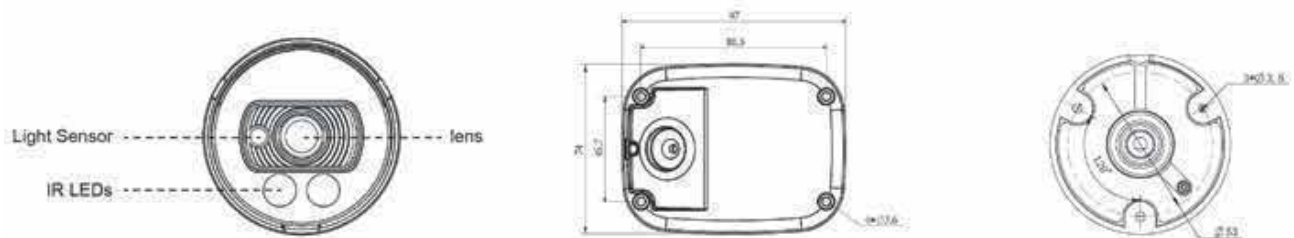
CABLE OUT VERSION



JUNCTION BOX VERSION



SMART IR II TECHNOLOGY



ACCESSORIES SUPPORT

AIS-A01 Pole Mount

Weight: 720g
Dimensions: 170*51.1*152.6mm



AIS-A02 Internal Corner Bracket

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



AIS-A03 External Corner Bracket

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



H.265+ WEATHER-PROOF DOME LITE CAMERA (2/5 MP)**H.265+ / 3 Axis Mechanical design / IP66 / IK10 / Clamshell Design / PoE / SIP**

ONVIF | G | Q | S | T

**KEY FEATURE**

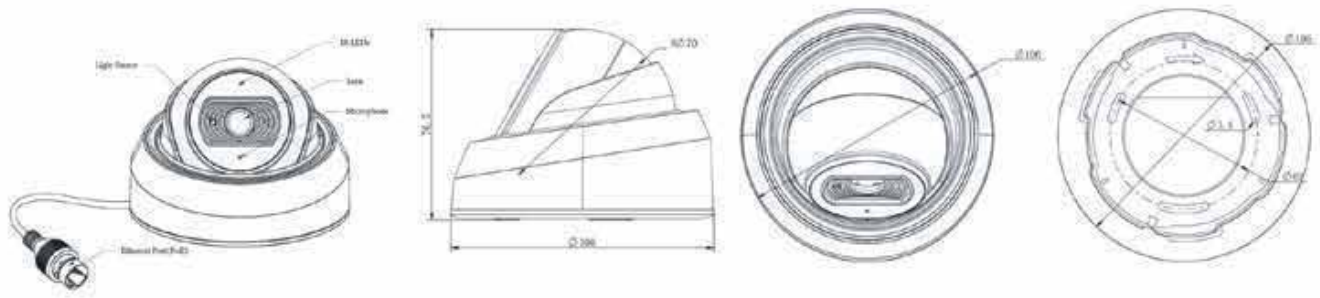
- Smart Stream: H265+ save 70% - 80%
- Advanced Functions: HLC, Defog, ROL
- Session Initiation Protocol, Providing alarm
- 3 Axis Mechanical Design
- Built in Microphone



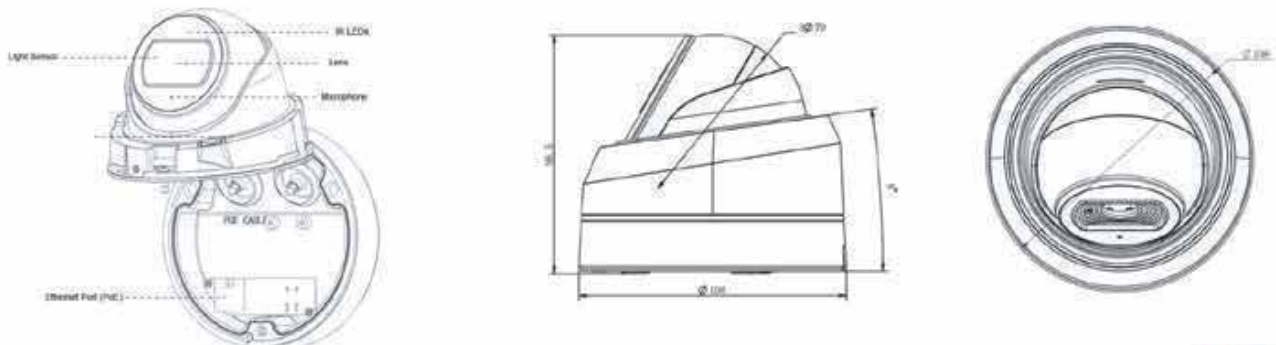
MODEL	AIS-NC2975-SPB	AIS-NC5375-PB
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min.Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6
WDR	140dB Super WDR	Super WDR 120dB
Lens	2.8mm/4mm/6mm @F1.6	2.8mm/4mm/6mm @F1.6
Mount	M12	M12
Field of View	H111°/D128°/V61°(2.8mm) H91°/D106°/V50°(4mm)	H55°/D63°/V32°(6mm)
Shutter Time	1/100000s~1s	1/100000s~1s
IR Distance	Up to 25m	Up to 25m
Day & Night	ICR Filter Auto Switch	ICR Filter Auto Switch
S / N	>55dB	>55dB
Max. Image Resolution	1920*1080	2592*1944 @20fps
Primary Stream	30fps@(1920x1080, 1280x960, 1280x720, 704x576)	
Secondary Stream	30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	16Kbps~16Mbps(CBR/VBR Adjustable)
Image Setting	Brightness/Contrast/Saturation/Sharpness	Brightness/Contrast/Saturation/Sharpness
Ethernet	1*RJ45 10M/100M Ethernet Port	1*RJ45 10M/100M Ethernet Port
Network Storage	NAS(Support NFS, SMB/CIFS)	NAS(Support NFS, SMB/CIFS)
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	
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G (Optional)	
Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI,	
SIP/VoIP Support	Yes, Voice & Video-over-IP	Yes, Voice & Video-over-IP
Event Trigger	Motion Detection, Network Disconnection, etc.	
Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.	
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection	
System Compatibility	ONVIF Profile G & Q & S & T	ONVIF Profile G & Q & S & T
Working Temperature	-40°C ~ 60°C	-40°C ~ 60°C
Working Humidity	0~90%(Non-condensing)	0~90%(Non-condensing)
Power Supply	PoE (802.3af)	PoE (802.3af)
Power Consumption	2.5W MAX	2.5W MAX
Weather Proof	Up to IP67-rated for Weather-resistant Performance	
Audio I/O	Built-in Microphone	Built-in Microphone
Weight	410g (Cable Out Version)	600g (Junction Box Version)
Dimensions	Ø106mmX76.5mm (Cable Out Version) / Ø108mmX96.5mm (Junction Box Version)	

STRUCTURE DIAGRAMS

CABLE OUT VERSION



JUNCTION BOX VERSION



ACCESSORIES SUPPORT

AIS-A01 Pole Mount

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



AIS-A02 Internal Corner Bracket

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



AIS-A03 External Corner Bracket

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



AIS-A71 Wall Mount

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



AIS-A73 Adapter Plate

Weight: 28g
Dimensions: 115*122.5*10mm



H.265+ VANDAL-PROOF DOME LITE CAMERA (2/5 MP)**H.265+ / IP67 / 3 Axis Mechanical Design / IK10 / SIP**

ONVIF | G | Q | S | T

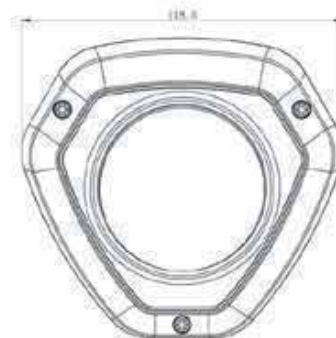
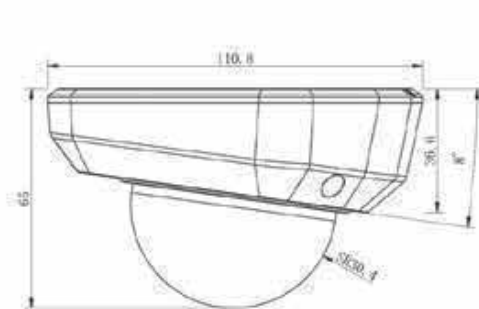
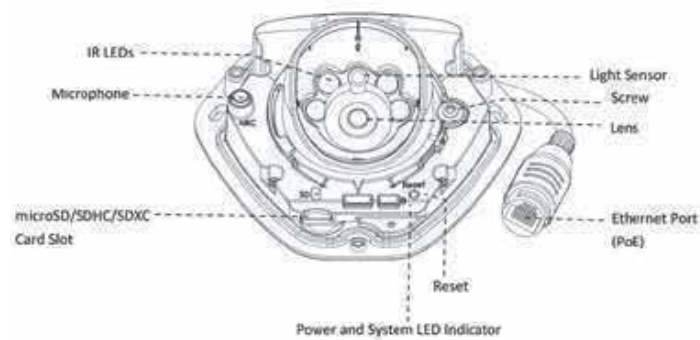
**KEY FEATURE**

- Smart Stream
- Powerful IR LEDs
- Advanced Function
- Adjustable 3 Axis Bracket



MODEL	AIS-NC2973-SPB	AIS-NC5373-PB
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min.Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on	Color: 0.008Lux@F1.6
WDR	140dB Super WDR	Super WDR 120dB
Lens	2.8mm/4mm/6mm @F1.6	2.8mm/4mm/6mm @F1.6
Mount	M12	M12
Field of View	H111°/D128°/V61°(2.8mm) H91°/D106°/V50°(4mm) H55°/D63°/V32°(6mm)	
Shutter Time	1/100000s~1s	1/100000s~1s
IR Distance	Up to 30m	Up to 30m
Day & Night	ICR Filter Auto Switch	ICR Filter Auto Switch
S / N	>55dB	>55dB
Max. Image Resolution	1920x1080	2592*1944 @20fps
Primary Stream	30fps@(1920x1080, 1280x960, 1280x720, 704x576)	
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Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	16Kbps~16Mbps(CBR/VBR Adjustable)
Image Setting	Brightness/Contrast/Saturation/Sharpness	Brightness/Contrast/Saturation/Sharpness
Ethernet	1*RJ45 10M/100M Ethernet Port	1*RJ45 10M/100M Ethernet Port
Network Storage	NAS(Support NFS, SMB/CIFS)	NAS(Support NFS, SMB/CIFS)
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	
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G (Optional)	
Advanced Function	Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI,	
SIP/VoIP Support	Yes, Voice & Video-over-IP	Yes, Voice & Video-over-IP
Event Trigger	Motion Detection, Network Disconnection, etc.	
Event Action	FTP Upload, SMTP Upload, SD Card Record, SIP Phone, HTTP Notification, etc.	
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection	
System Compatibility	ONVIF Profile G & Q & S & T	ONVIF Profile G & Q & S & T
Working Temperature	-40°C ~ 60°C	-40°C ~ 60°C
Working Humidity	0~90%(Non-condensing)	0~90%(Non-condensing)
Power Supply	PoE (802.3af)	PoE (802.3af)
Power Consumption	3.5W MAX (With IR on)	3.5W MAX (With IR on)
Weather Proof	Up to IP67-rated for Weather-resistant Performance	
Audio I/O	Built-in Microphone	Built-in Microphone
Dimensions/Weight	118.5mmX110.8mmX65mm/500g	118.5mmX110.8mmX65mm/500g

STRUCTURE DIAGRAMS



ACCESSORIES SUPPORT

AIS-A01 Pole Mount

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



AIS-A02 Internal Corner Bracket

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



AIS-A03 External Corner Bracket

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



AIS-A71 Wall Mount

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



AIS-A73 Adapter Plate

Weight: 28g
Dimensions: 115*122.5*10mm



AIS-A74 Junction Box

Weight: 60g
Dimensions: 121.5*116.5*37.2mm





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