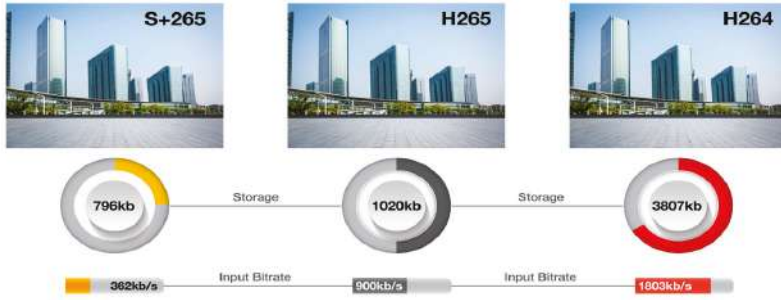# ALCON LINK™
BE SMART, BE SECURE

8MP Ultra Superstarlight AI Panoramic Bullet Camera

Overview

The Alcon Panoramic Experience delivers completely stitched, seamless and blended panoramic views without the disruption and distraction of disjointed sensor boundaries,a viewing experience that competitive offerings simply cannot match. Featuring 8MP resolution with entire panorama for the highest-quality, most uniform image detail possible, Alcon elevates both live and forensic scene analysis to a completely new level for today's security professionals. It supports S+265/H.265/H.264/ M-JPEG compression formats and delivers excellent picture quality in 6MP resolutions. Furthermore, the IP67 rated housing. IR-Cut filter and built-in IR illuminators enables the camera to provide color video when there is sufficient light. The Alcon AL-5001-MPC-HD8CMUDKF camera also come with 120dB WDR which allows it to maintain clear images 24 hours a day.It supports flexible power supply options of PoE (802.3AT). It is an ideal solution for Outdoor surveillance applications such as buildings, roads, parking areas, railway station, airports, steel and power plants and other Industrial areas etc.

Features

- Panorama View: 180⁰
- 8MP Resolution: 4640×1728@25fps
- Color:0.0001Lux@(F1.0,AGC ON),
- Built-in Mic, Built-in Speaker
- Support microSD/microSDHC/microSDXC card,
- up to 512 GB
- Support Smart surveillance
- Support Human/Vehicle Classification
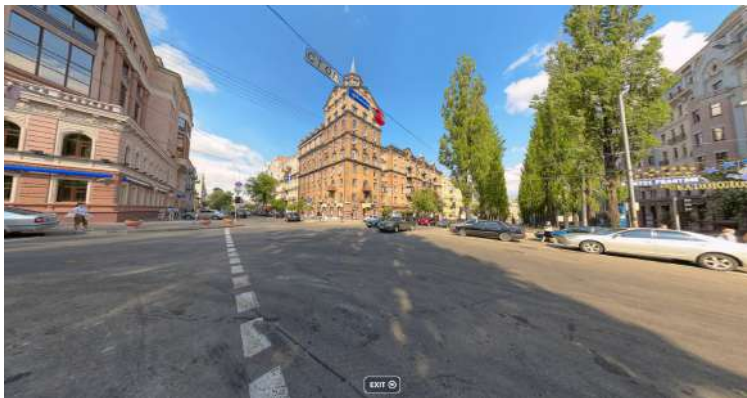- Support 120dB WDR, IP67
- Tripwire; Perimeter, Early Warning(EW)

S+265 can save approximate 50% bitrate than H.265 technology, saves 70%-80% bandwidth compared with H.264

Latest Compression S+265 Technology

ALCON cameras and NVRS are coming with S+265 technology the compression ratio with H.264 technology 100:20….80% less storage another new gen technology circuit making it extremely durable and best suitable for Industrial type installations.

WIDE DYNAMIC RANGE(120dB)

Commonly used Digital WDR (D-WDR), which is a software-based technique to enhance image by adjusting the gamma value to enhance dark areas is responsible for image deterioration (i.e. the image being washed out). Alcon 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 120dB
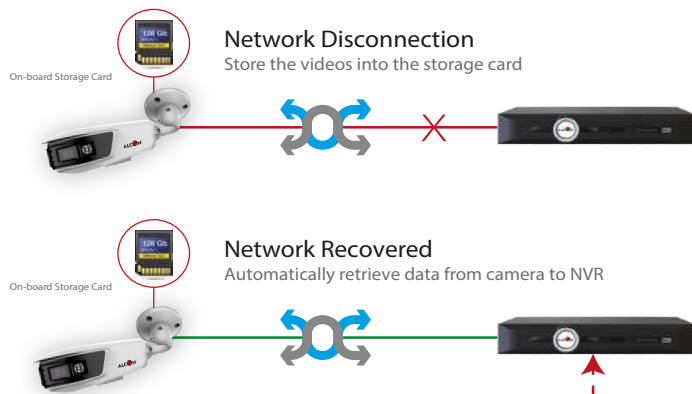

Panaromic View

Fisheye cameras use ultra-wide lenses to provide a complete view of an entire area. They are sometimes referred to as 360 cameras because they provide a 360° by 180° view of an area. Fisheye security cameras can provide complete coverage of an open area, often replacing four to six standard security cameras.

Region of Interest

A region of interest is a specified part of a Alcon CCTV camera view that is highlighted and broadcast to a separate stream from a camera.
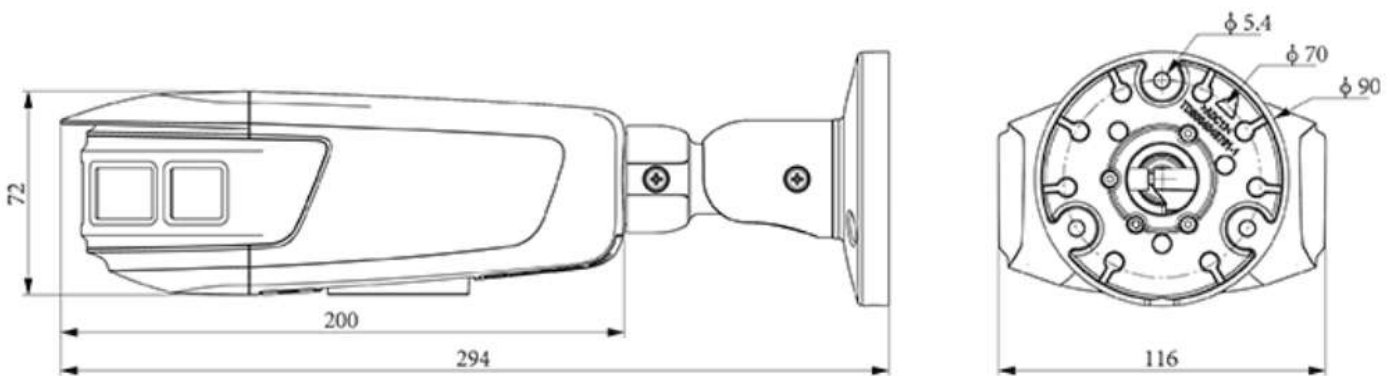

On-board Storage Card

Network Disconnection
Store the videos into the storage card

On-board Storage Card

Network Recovered
Automatically retrieve data from camera to NVR

ANR Features

NVRs (Network Video Recorders) with the ANR (Automatic Network Replenishment) function can automatically store video data on the IPC (Internet Protocol Camera) storage card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

Camera	AL-5001-MPC-HD8CMUDKF
Image Sensor	1/2.7"CMOS
Min. Illumination	Color:0.0001Lux@(F1.0,AGC ON),B/W:0Lux with IR
Shutter Time	1s~1/100000s
WDR	120dB
Angle Adjustment	0~360°(P); 0~90°(T); 0~360°(R)
Lens	
Lens Type	Fixed focal lens
Focal Length	2.8mm
Lens Mount	M12
Aperture Range	F1.0
Field of View	180°(H)±10°; 65°(V)±5°; 191°±10°
DORI Distance	Detect:56m
Illuminator	
White LEDs	3
Whitelight Distance	15-20m
Compression Standard	
Video Compression	S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG
Video Bit Rate	32k~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8kHz/32kHz/48kHz
Image	
Max. Resolution	4640×1728@25fps
Main Stream	PAL:25fps(4640×1728, 4096×1520) NTSC:24fps(4640×1728, 4096×1520)
Sub Stream	PAL:25fps(1408×528) NTSC:24fps(1408×528)
BLC	Yes
HLC	Yes
AGC	Yes
3D DNR	Yes
White Balance	Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmlight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance
ROI	8 rectangular static areas
OSD	Overlay of additional characters in 5 regions, 2 lines, with a maximum of 127 characters or 42 Chinese characters per region; 16*16/32*32/48*48/64*64/96*96/128*128
Picture Overlay	1*200x200 size BMP 24 color bit image overlay
Privacy Mask	4 black static areas
Defog	Yes
Feature	
Alarm Trigger	Motion Detection; Mask Alarm; Voltage Alarm; Disk Full; Disk R/W Error; IP Address Conflict; MAC Address Conflict; FTP Server Exception ; Event Input, Event Output
Linkage Method	send email; trigger sound; trigger warmlight; trigger recording; trigger capture; notify surveillance center
Video Analytics	Human/Vehicle Classification; Tripwire; Perimeter; Video Abnormal; Audio Abnormal
Rules of behavior analyse in 1 scene	8
Early Warning(EW)	Early Warning(EW)
Network	
ANR	Yes
Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; SSL; 802.1X; QoS; IPv4; IPv6; PPPOE; SSH; Unicast; Multicast; RTCP; ARP; RTP; SRTP; RTSP; FTP; SFTP; NAS
System Compatibility	ONVIF Profile S/T/G/M; CGI; Milestone; RTMP
Remote Connection	≤7
Client	Alcon Smar Surveillance
Moblie Client	Alcon View

Interface	
Communication Interface	1*RJ-45,10/100 Mbps self-adaptive Ethernet port
Audio I/O	1; 1
Alarm I/O	1-ch,TTL input,3mA,3.3VDC; 1-ch,TTL output,30mA,12VDC
Reset Button	Yes
On-board storage	Support microSD/microSDHC/microSDXC card, up to 512 GB
RTC	Yes
General	
Web Client Language	English/Spanish/Korean/Italian/Turkish/Russian/Thai/French/Polish/Dutch/Hebrew /Arabic/Vietnamese/German/Ukrainian/Portuguese/Albanian
Operating Temperature	-40℃~65℃(No turning on the light)
Operating Humidity	Humidity 95% or less (no condensation)
Storage Temperature	-40℃~65℃
Storage Humidity	Humidity 95% or less (no condensation)
Power Supply	DC12V±25%,MAX 11.0W; POE 802.3at,MAX 12W
Protection	IP67, Lightning protection, surge protection and voltage transient protection
Boundary Dimensions	294(L)116(W)72(H)mm
Package Dimensions	360(L)150(W)170(H)mm
GrossWeight	1.1kg
Certification	CE & RoHS

DIMENSIONS

AL-5001-MPC-HD8CMUDKF   8MP Ultra Superstarlight AI Panoramic Bullet Camera

*Product specifications and availability are subject to change without notice.