8MP ADVANCED STARLIGHT 30-40M IR DOME CAMERA

TRIPWIRE | **ANR** | **PERIMETER** | **H.265+ COMPRESSION** | **STARLIGHT** | **SD CARD** | **IR-40MTR** | **LIGHTNING PROTECTION** | **IP66** | **PoE**

Alcon 8MP Advanced Starlight IR Bullet Camera

The Alcon AL-5002-MPC-HD8CMDK-S Fixed Lens IP Camera with IR Illuminator provides high resolution images for round-the-clock surveillance over IP networks & color picture in dark conditions. It supports up to S+265 compression formats and delivers excellent picture quality in 3840x2160@30fps resolutions. Furthermore, the IP67-rated housing protects against rain and dust and ensure stable operation under extreme weather conditions. IR-Cut fitter and built-in IR illuminators support upto 30-40MTR IR distance. The Alcon AL-5002-MPCHD8CMDK-S also come with Lightning, surge and voltage transient protection. It supports flexible power supply options of either Power-Over-Ethernet or adaptor power. It is an ideal solution for outdoor and indoor surveillance applications such as school, college, hospital, training center, restaurant, conference hall etc.

Key features

FEATURES
•• Full Metal Housing
• Up to 3840x2160@30fps
• S+265/H.265/H.264
• Color:0.002Lux@(F1.6,AGC ON),B/W:0Lux with IR
• 120dB WDR, MIC In
• Smart IR, IR Range: 30-40m
• Support tripwire and perimeter
• Built-in Mic, SD Card Slot Up to 512GB
• POE, IP66, IK10, Reset Button
• Lightning , surge and voltage protection

LATEST COMPRESSION H.265+ TECHNOLOGY

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

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

TRIPWIRE AND PERIMETER

Alcon autofocus Camera is an ideal choice for surveillance and monitoring when the field of view encompasses large differences in distances of the target or the target is moving and often changes its distance to the camera. Alcon autofocus Camera lenses are zoom lenses; a variation of this type of lens is a vari-focal lens which can vary its focal length by manual adjustment and can zoom upto 4X Remotely.

STARLIGHT TECHNOLOGY

ALCON starlight 0.002Lux (DARK KNIGHT) series is most advanceproduct with low light scenario with Cristal clear and color picture on Night

SUPER WDR (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.

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.
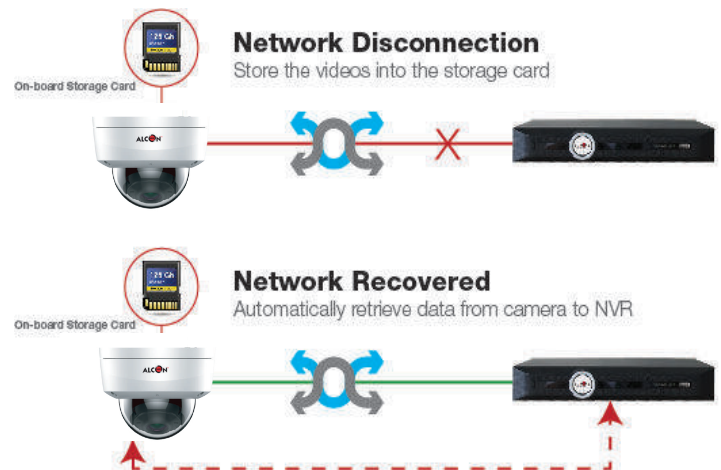
TRIPLE STREAMING

The Alcon all Camera Series supports 3 simultaneous streams.Stream 1 for Local Recording and Viewing at full resolution, stream 2 for Remote viewing and recording over the internet and stream 3 for special applications, Smart Phones and hand held devices. Keeping in mind the growing trend of video analytics and Smart Phone applications, this feature enhances analytics and mobile viewing experience over conventional IP Camera having Dual Stream only

ELECTROMAGNETIC PROTECTION

The Camera also comes with Lightning, surge and voltage transient protection which meets electromagnetic compatibility standard EN 55035:2017. This standard protects the camera from lightning & over power.

HIGH LIGHT CONTROL

Alcon HLC function is designed to allow camera capture vehicle plate license. HLC stands for Hight-light compensation, this technology is esigned to optimize the brightness of images through using digital signal processing.

Network Disconnection
Store the videos into the storage card
On-board Storage Card

Network Recovered
Automatically retrieve data from camera to NVR
On-board Storage Card

Application

Hospital   **School/ College**   **Office**   **Apartment**

SPECIFICATION

Camera	AL-5002-MPC-HD8CMDK-S
Image Sensor	1/2.8"CMOS
Min. Illumination	Color:0.002Lux@(F1.6,AGC ON),B/W:0Lux with IR
Shutter Time	1s~1/100000s
Day&Night	IR-cut filter with auto switch (ICR)
Smart IR	Yes
WDR	120dB
Angle Adjustment	0~330°(P); 0~75°(T); 0~350°(R)
Lens	
Lens Type	Fixed focal lens
Focal Length	2.8mm
Lens Mount	M12
Aperture Range	F1.6
Aperture Type	Fixed
Field of View	104.9°(H); 56.5°(V); 119.2°(D)
Illuminator	
IR LEDs	8
IR Distance	Up to 30-40m
Wavelength	850nm
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	8MP,3840×2160@30fps
Main Stream	PAL:20fps(3840×2160, 3072×2048), 25fps(2560×1440, 2304×1296, 1920×1080, 1280×720) NTSC:20fps(3840×2160, 3072×2048), 30fps(2560×1440, 2304×1296, 1920×1080, 1280×720)
Sub Stream	PAL:25fps(704×576, 704×288, 640×360, 352×288) NTSC:30fps(704×480, 704×240, 640×360, 352×240)
Third Stream	PAL:25fps(704×576, 704×288, 352×288, 640×480) NTSC:30fps(704×480, 704×240, 352×240, 640×360)
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
Corridor Mode	Yes
OSD	Overlay of additional characters in 5 regions, 1 line, with a maximum of 127 characters or 42 Chinese characters per region; 16*16/32*32/48*48/64*64/96*96
Picture Overlay	1*200x200 size BMP 16 color bit image overlay
Privacy Mask	4 black static areas
Defog	Yes
Feature	
General Alarm	Motion Detection; Mask Alarm
Exceptions Alarm	Voltage Alarm; Disk Full; Disk R/W Error; IP Address Conflict; MAC Address Conflict; FTP Server Exception
Linkage Method	Send Email; Trigger Recording; Trigger Capture; Notify Surveillance Center; Alarm Output
Video Analytics	Human/Vehicle Classification; Tripwire; Perimeter
Rules of Behavior Analyse In 1 Scene	8

Network	
ANR	Yes
Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP v1\v2\v3; DHCP; DNS; DDNS; Easy DDNS; NTP; SMTP; TLS v1.2; SSL; 802.1X; QoS; IPv4; IPv6; PPPoE; SSH; Unicast; Multicast; RTCP; ARP; SRTP; FTP; SFTP
System Compatibility	ONVIF(Profile S/T/G/M) ; SDK; CGI; Milestone; RTSP; RTMP
Remote Connection	≤2
Client	Alcon Smart Surveillance
Moblie Client	Alcon View
Web	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Interface	
Communication Interface	1*RJ-45 (10/100 Base-T)
Built-in Mic	Yes
Reset Button	Yes(Built-in)
On-board Storage	Support microSD/microSDHC/microSDXC card,up to 512GB
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℃(-40℉~149℉)
Operating Humidity	≤95%RH
Storage Temperature	-40℃~65℃(-40℉~149℉)
Storage Humidity	10%~95%RH(non-condensing)
Power Supply	DC12V±25%,Max. 6W; PoE:IEEE 802.3af,Max. 7.5W
Protection	Surge4000V; ESD6000V; IP66; IK10
Boundary Dimensions	120(L)120(W)90(H)mm
Package Dimensions	140(L)140(W)120(H)mm
GrossWeight	0.61kg
Certification	FCC, CE, BIS & RoHS

DIMENSIONS
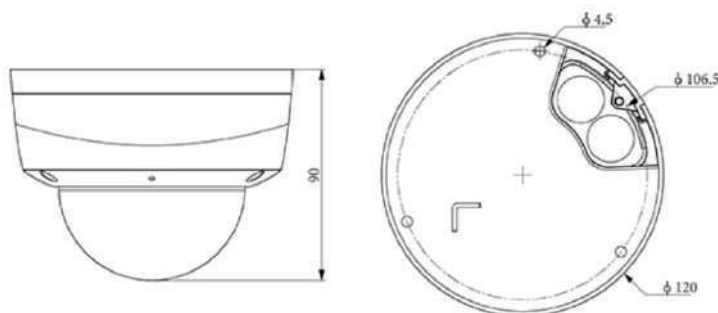
ORDERING INFORMATION

AL-5002-MPC-HD8CMDK-S

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

CE | FC | Onvif | RoHS |