

# 5MP AI ENTERPRISE 50M IR BULLET CAMERA



## Alcon 5MP Advanced Starlight IR Bullet Camera

The Alcon AL-5001-MPC-HD5CMDK 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 2880×1620@30fps resolutions. Furthermore, the IP67-rated housing protects against rain and dust and ensure stable operation under extreme weather conditions. IR-Cut filter and built-in IR illuminators support upto 50M IR distance. The Alcon AL-5001-MPC-HD5CMDK also come with Lightning, surge and voltage transient protection which meets electromagnetic compatibility standard EN 55035:2017. 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

- 2880×1620@30fps
- In-built Mic, Metal Body
- H.265+/H.265/H.264
- Min illumination Color: 0.001Lux@F2.0
- Smart IR, IR Range: 50m
- Support Video Analytics
- Human & Vehicle Classification
- Face capture Mode, 120dB WDR
- Support ANR, POE & IP67, SD Card 512GB
- Lightning , Surge & Voltage Protection

## LATEST COMPRESSION H.265+ TECHNOLOGY

ALCON cameras and NVRS are coming with H.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



### TRIPWIRE AND PERIMETER

Tripwire and Perimeter is a video analytics function that provides smart detection of events captured by a security camera that supports Tripwire and perimeter. It is a more effective way of monitoring and guarding an area of interest than simple motion detection. Alcon all camera series inbuilt tripwire and perimeter advance function.

### IN-BUILT MIC

Alcon all cameras series are coming with in-built Mic Features. Most CCTV cameras OEM products are coming without this features .where as this feature will give both Audio and video recording will be added advantages for the end user instead of only video recording.

### DIGITAL NOISE REDUCTION

Digital Noise Reduction (DNR) is a method by which the camera’s imager digitally removes noise from the image. 3D DNR is an advancement of this technology which enables noise to be filtered even more effectively from the image, even in low light conditions.

### STARLIGHT TECHNOLOGY

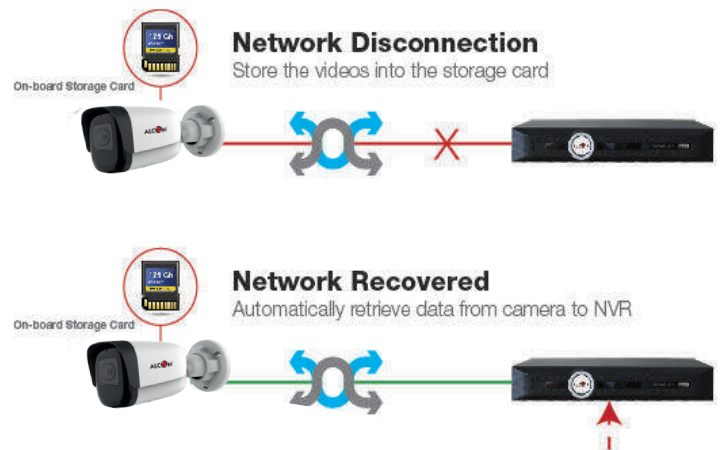
ALCON starlight 0.001Lux (DARK KNIGHT) series is most advanceproduct with low light scenario with Cristal clear and color picture on Night

### 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.



## Application



Hospital



School/ College



Office



Apartment



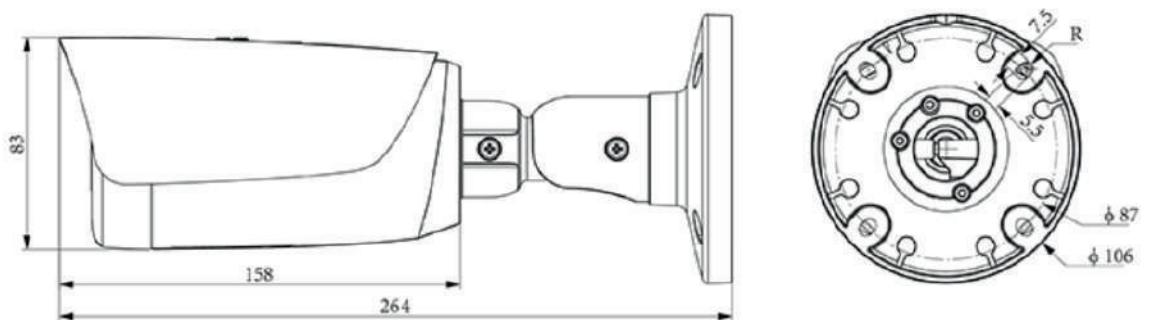
SPECIFICATION

|                                      |                                                                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>                        | <b>AL-5001-MPC-HD5CMDK</b>                                                                                                                                                                                                                   |
| Image Sensor                         | 1/2.7"CMOS                                                                                                                                                                                                                                   |
| Min. Illumination                    | Color:0.001Lux@(F1.6,AGC ON),B/W:0Lux with IR                                                                                                                                                                                                |
| Shutter Time                         | 1s~1/100000s                                                                                                                                                                                                                                 |
| Day&Night                            | IR-cut filter with auto switch (ICR)                                                                                                                                                                                                         |
| WDR                                  | 120dB                                                                                                                                                                                                                                        |
| S/N                                  | >52dB                                                                                                                                                                                                                                        |
| Angle Adjustment                     | 0~360°(P); 0~90°(T); 0~360°(R)                                                                                                                                                                                                               |
| <b>Lens</b>                          |                                                                                                                                                                                                                                              |
| Lens Type                            | Fixed focal lens                                                                                                                                                                                                                             |
| Focal Length                         | 2.8mm                                                                                                                                                                                                                                        |
| Lens Mount                           | M12                                                                                                                                                                                                                                          |
| Aperture Range                       | F1.6                                                                                                                                                                                                                                         |
| Field of View                        | 109°(H); 59°(V); 125.4°(D)                                                                                                                                                                                                                   |
| <b>Illuminator</b>                   |                                                                                                                                                                                                                                              |
| IR LEDs                              | 2                                                                                                                                                                                                                                            |
| IR Distance                          | 50m                                                                                                                                                                                                                                          |
| Wavelength                           | 850nm                                                                                                                                                                                                                                        |
| <b>Compression Standard</b>          |                                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                             |
| <b>Image</b>                         |                                                                                                                                                                                                                                              |
| Max. Resolution                      | 2880×1620@30fps                                                                                                                                                                                                                              |
| Main Stream                          | PAL:25fps(2880×1620, 2688×1520, 2560×1440, 2304×1296) 50fps(1920×1080, 1280×720)<br>NTSC:30fps(2880×1620, 2688×1520, 2560×1440, 2304×1296) 60fps(1920×1080, 1280×720)                                                                        |
| Sub Stream                           | PAL:25fps(704×576, 704×288, 352×288, 640×360) NTSC:30fps(704×480, 704×240, 352×240, 640×360)                                                                                                                                                 |
| Third Stream                         | PAL:25fps(1920×1080, 1280×720, 704×576, 640×360, 704×288, 352×288) NTSC:30fps(1920×1080, 1280×720, 704×480, 640×360, 704×240, 352×240)                                                                                                       |
| BLC                                  | Yes                                                                                                                                                                                                                                          |
| HLC                                  | Yes                                                                                                                                                                                                                                          |
| AGC                                  | Yes                                                                                                                                                                                                                                          |
| 3D DNR                               | Yes                                                                                                                                                                                                                                          |
| White Balance                        | Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance                                                                                                                                     |
| ROI                                  | 8 rectangular static areas                                                                                                                                                                                                                   |
| Corridor mode                        | Yes                                                                                                                                                                                                                                          |
| 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                                                                                  |
| Picture Overlay                      | 1*200x200 size BMP 24 color bit image overlay                                                                                                                                                                                                |
| Privacy Mask                         | 4 black static areas                                                                                                                                                                                                                         |
| Defog                                | Yes                                                                                                                                                                                                                                          |
| <b>Feature</b>                       |                                                                                                                                                                                                                                              |
| 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,<br>Event Output                                                                       |
| Linkage Method                       | send email; trigger sound; trigger recording; trigger capture; notify surveillance center                                                                                                                                                    |
| Video Analytics                      | Human/Vehicle Classification; Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Lost; Heatmap; Loitering; Running; Parking; People Counting;<br>Crowd; Safety Helmet Detection; On Duty Detection; Video Abnormal; Audio Abnormal |
| Rules of behavior analyse in 1 scene | 8                                                                                                                                                                                                                                            |
| Face Mode                            | Face Capture                                                                                                                                                                                                                                 |
| Face Detection Performance           | 32; 16                                                                                                                                                                                                                                       |



| 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; SRTP; RTSP; FTP; SFTP; NAS |
| System Compatibility    | ONVIF Profile S/T/G/M; CGI; Milestone; RTMP                                                                                                                                                  |
| Remote Connection       | ≤7                                                                                                                                                                                           |
| Client                  | Alcon Smart Surveillance                                                                                                                                                                     |
| Mobile 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/<br>Ukrainian/Portuguese/Albanian                                                   |
| Operating Temperature   | -40°C~65°C(No turning on the light)                                                                                                                                                          |
| Operating Humidity      | Humidity 95% or less (no condensation)                                                                                                                                                       |
| Storage Temperature     | -40°C~65°C                                                                                                                                                                                   |
| Storage Humidity        | Humidity 95% or less (no condensation)                                                                                                                                                       |
| Power Supply            | DC12V±25%,MAX 6W; POE 802.3af,MAX 7.5W                                                                                                                                                       |
| Protection              | IP67 Lightning protection, surge protection and voltage transient protection                                                                                                                 |
| Boundary Dimensions     | 160(L)73(W)73(H)mm                                                                                                                                                                           |
| Package Dimensions      | 215(L)95(W)120(H)mm                                                                                                                                                                          |
| Gross Weight            | 0.65kg                                                                                                                                                                                       |
| Certification           | FCC, CE, BIS & RoHS                                                                                                                                                                          |

### DIMENSIONS



### ORDERING INFORMATION

AL-5001-MPC-HD5CMDK

5MP Enterprise Starlight 50M IR Bullet Camera



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

