ALCON LINK™
BE SMART, BE SECURE

Datasheet

AL-5002-MPC-HD5CM

5MP AI STARLIGHT ADVANCED DOME CAMERA

TRIPWIRE | PERIMETER | ANR | STARLIGHT | SD CARD | IR-30MTR | LIGHTNING PROTECTION | PoE

Alcon AI 5MP Advanced Starlight IR Dome Camera

The Alcon AL-5002-MPC-HD5CM Fixed Lens IP Camera with IR Illuminator provides high resolution images for round-the-clock surveillance over IP networks & color picture in low light conditions. It supports up to H.265+ compression formats and delivers excellent picture quality in 2592x1944@20fps resolutions.Furthermore, the IP66-rated housing protects against and dust and ensure stable operation under extreme weather conditions. IR-Cut filter and built-in IR illuminators support upto 30M IR distance. The Alcon AL-5002-MPCHD5CM also come with Lightning, surge 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

- 2592x1944@20fps
- In-built Mic, 120dB WDR
- H.265+/H.265/H.264
- Color:0.002Lux@(F1.6,AGC ON),B/W:0Lux with IR
- Smart IR, IR Range: 30m
- Support tripwire and perimeter
- POE & IP66,SD Card 512GB

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

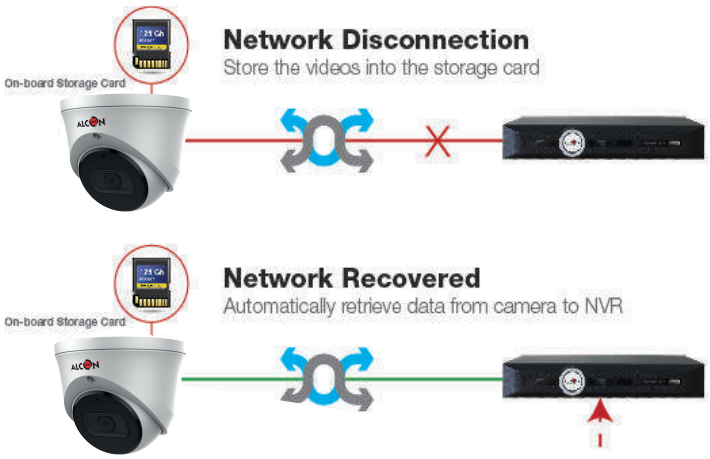
ALCON starlight 0.002Lux (DARK KNIGHT) series is most advanceproduct with low light scenario with Cristal clear and color picture on Night

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

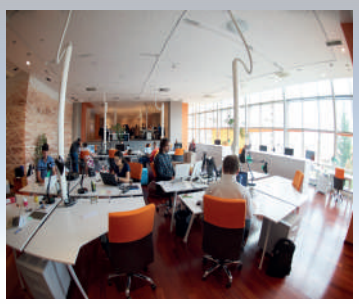
NVRs (Network Video Recorders) with the ANR (Automatic Network Replenishment) function can automatically store video data on the IPC (Internet Protocol Camera) storage card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.



Application

Hospital

School/ College



Office

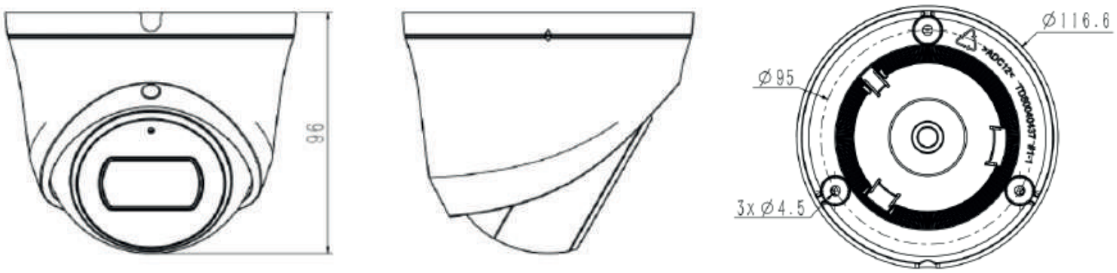
Apartment

SPECIFICATION

Camera	AL-5002-MPC-HD5CM
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)
WDR	120dB
Angle Adjustment	0~340°(P); 0~75°(T); 0~360°(R)
Lens	
Lens Type	Fixed focal lens
Focal Length	2.8mm
Lens Mount	M12
Aperture Range	F1.6
Field of View	94.7°(H); 52.5°(V); 118.5°(D)
Illuminator	
IR LEDs	2
IR Distance	30m
Wavelength	850nm
Compression Standard	
Video Compression	S+265/H.265/H.264B/H.264M/H.264H
Video Bit Rate	32k~6Mbps
Audio Compression	G.711A/G.711U/ADPCM_D
Audio Sampling Rate	8kHz/32kHz/48kHz
Image	
Max. Resolution	2592×1944@20fps
Main Stream	PAL:20fps(2592×1944), 25fps(2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720) NTSC:20fps(2592×1944), 24fps(2592×1520, 2560×1440), 30fps(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)
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 1 regions, 1 line, with a maximum of 48 characters or 16 Chinese characters per region; 16*16/32*32/48*48/64*64
Privacy Mask	4 black static areas
Defog	Yes
Feature	
Alarm Trigger	Motion Detection; Mask Alarm; Disk Full; Disk R/W Error; IP Address Conflict
Linkage Method	trigger recording; trigger capture; notify surveillance center
Video Analytics	Tripwire; Perimeter
Rules of behavior analyse in 1 scene	2

Network	
ANR	Yes
Protocols	HTTP; HTTPS; TCP/IP; UDP; UPnP; ICMP; DHCP; DNS; DDNS; Easy DDNS; NTP; QoS; IPv4; SSH; Unicast; RTSP; FTP
System Compatibility	P2P(Mutually exclusive with Profile G); ONVIF Profile S/T/G; CGI; Milestone
Remote Connection	≤2
Client	Alcon Smart Surveillance
Moblie Client	Alcon View
Interface	
Communication Interface	1*RJ-45,10/100 Mbps self-adaptive Ethernet port
Reset Button	Yes(Built-in)
On-board storage	Support microSD/microSDHC/microSDXC card, up to 512 GB
In-Built Mic	Yes
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 6W; POE 802.3af,MAX 7W
Protection	Surge4000V; ESD6000V; IP66
Boundary Dimensions	117(L)117(W)96(H)mm
Package Dimensions	140(L)140(W)120(H)mm
GrossWeight	0.53kg
Certification	FCC, CE, BIS & RoHS

DIMENSIONS



ORDERING INFORMATION

AL-5002-MPC-HD5CM — 5MP Starlight 30M Dome Camera

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