

HD2-B27-MS

2 Megapixel Starlight HD-AVS Bullet Camera



- 1/2.8" CMOS
- Max 30fps@1080P
- High speed, long distance real-time transmission
- HD and CVBS switchable
- OSD Menu, control over coaxial cable
- WDR, Day/Night(ICR), HLC, AGC, BLC
- 2.7-12mm vari-focal lens
- Max. IR LEDs length 100m, Smart IR
- IP67, IK10, AC24V/DC12V, Heater

System Overview

The HD2-B27-MS features a 1/2.8" CMOS capable of 30fps in 1080P resolution and a 2.7-12mm Vari-focal lens. The camera is also switchable to CVBS standard definition mode.

The camera also features Starlight technology for enhanced low light support and long distance Smart IR support with a distance of up to 328 feet. These features including an IP67 and IK10 protection rating makes this a great choice for most residential and business applications.

Functions

Simplicity

HD-AVS technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HD-AVS system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Multiple-formats

The camera supports multiple video formats including HD-AVS, CVBS. The two formats can be switched over through OSD menu. This feature makes the camera to be compatible with not only AVRs but also most end users' existing Standard Definition DVRs.

Starlight

With the adoption of high performance sensor, the camera is able to provide incomparable performance even under extreme low light or total darkness. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 100m (328ft).

Protection(IP67, IK10, wide voltage)

The camera allows for $\pm 30\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments.

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$) with 95% humidity. Device has metal casting construction.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Effective Pixels	1945(H)×1097(V), 2.1MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1.3s~1/30000s NTSC: 1s~1/30000s
Minimum Illumination	0.005Lux/F1.4, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 100m (328feet)
IR On/Off Control	Auto / Manual
IR LEDs	4

Lens

Lens Type		Motorized			
Mount Type		Board-in			
Focal Length		2.7mm~13.5mm			
Max. Aperture		F1.5			
Angle of View		Pan: 104°~27° Tilt: 55°~15° Diagonal: 124°~31°			
Optical Zoom		5x			
Close Focus Distance		0.8 m~0.8 m (2.62 ft~2.62 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	159 ft	64 ft	32 ft	17 ft
	T	437 ft	175 ft	87 ft	44 ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
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Video

Resolution	1080P (1920×1080)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC HDCVI high definition video output & 1-channel BNC CVBS video outputCVBS tester out
Day/Night	Auto(ICR) / Color / B/W
OSD Menu	Multi-language
BLC Mode	BLC / HLC / WDR
WDR	120dB
Gain Control	AGC
Noise Reduction	2D/ 3D
White Balance	Auto / Manual
Smart IR	Auto / Manual

Interface

OSD Menu	Multi-language
Audio Interface	1-channel audio in
RS485	N/A
Alarm	1-channel alarm in & 1-channel alarm out

Electrical

Power Supply	AC 24V±25% / DC 12V±25%
Power Consumption	Max 22.9W (12V DC, IR & heater on)

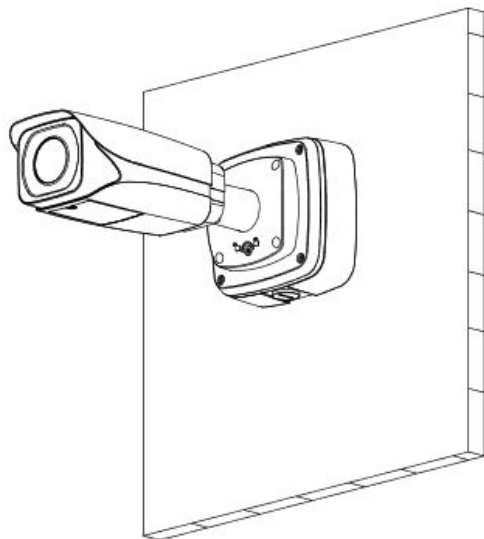
Environmental

Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH* Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Aluminum
Dimensions	273.2mm×95.0mm×95.0mm (10.76"×3.74"×3.74")
Weight	1.16kg (2.56lb)
Gross Weight	1.52kg (3.35lb)

Accessories



Dimensions (mm/in)

