

HD1-B30

1.3 Megapixel HD-AVS Bullet Camera



- 1/3" 1.3Megapixel CMOS
- 25/30/50/60fps@720P
- High speed, long distance real-time transmission
- HD and CVBS switchable
- OSD Menu, control over coaxial cable
- DWDR, Day/Night(ICR), AWB, AGC, BLC, 3DNR
- 3.6mm fixed lens
- Max. IR LEDs length 50m, Smart IR
- IP67, DC12V

System Overview

The HD1-B30 features a 1/3" 1.3Megapixel CMOS capable of 25/30/50/60fps in 720P resolution. The camera is also switchable to CVBS standard definition mode.

The camera is Smart IR capable with a distance of up to 164 feet. These features including an IP67 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.

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 50m (164ft).

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67).

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	1/3" 1.3Megapixel CMOS
Effective Pixels	1305(H)×977(V)
Scanning System	Progressive
Electronic Shutter Speed	1/3s~1/100,000s
Minimum Illumination	0.01Lux/F1.6, 0Lux IR on
Synchronization	Internal
IR Distance	Up to 50m (164ft)
IR On/Off Control	Auto / Manual
IR LEDs	Yes, Smart IR Support

Lens

Lens Type	Fixed
Mount Type	M12
Focal Length	3.6mm
Max. Aperture	F1.6
Angle of View	H: 46°(91.6°/72.3°/34.8°)
Focus Control	Manual

Pan/Tilt/Rotation

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

Resolution	720P
Frame Rate	25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (DIP switch)
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / AWB / AGC
WDR	DWDR
Noise Reduction	2D/3D
Smart IR	Support

Interface

OSD Menu	Support
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	12V DC ±20%
Power Consumption	Max. 4.2W

Environmental

Operating Conditions	-30°C~+60°C / Less than 95%RH (no condensation)
Storage Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 95% RH
Ingress Protection & Vandal Resistance	IP67
Transmission Distance	Over 800m via 75-3 coaxial cable

Construction

Casing	Metal
Dimensions	241.8mm×90.2mm×83.7mm
Weight	0.635 kg

Accessories



Dimensions (mm/in)

