

HD4-D200

4 Megapixel HD-AVS IR Eyeball Camera



- 1/3" CMOS
- Max 25fps@4MP
- HD and CVBS switchable
- 120dB True WDR, BLC, HLC, 3DNR
- 3.6mm fixed lens
- Max. IR LEDs length 30m, Smart IR
- IP67, DC12V

System Overview

The HD4-D200 from Clearview is a 4MP Eyeball AVS camera with a 1/3" CMOS and 3.6mm fixed lens. The camera is also equipped with 120dB true WDR, presenting a high quality image with rich details and accurate color rendition for applications with complex lighting conditions.

The HD4-D200 supports Smart IR with an IR range up to 98 feet. Other features include IP67 Weather Proof protection and output switchable to CVBS standard definition. These features make this camera an ideal choice for mid to large-size businesses and projects where both highly reliable surveillance and construction flexibility are needed.

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 30m (98ft).

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" CMOS
Effective Pixels	2688(H)×1520(V), 4.1MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/4s~1/100,000s NTSC: 1/3s~1/100,000s
Minimum Illumination	0.01Lux/F1.5, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 30m (98feet)
IR On/Off Control	Auto / Manual
IR LEDs	12

Lens

Lens Type	Fixed lens / Fixed iris				
Mount Type	Board-in				
Focal Length	3.6mm				
Max. Aperture	F1.5				
Angle of View	H: 79° (99.7°/48.6°)				
Focus Control	N/A				
Close Focus Distance	1500mm (900mm, 1700mm) 59.06" (35.43", 66.93")				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	262 ft	105 ft	52 ft	26 ft

Pan/Tilt/Rotation

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

Resolution	4MP (2560×1440)
Frame Rate	25fps@4MP, 25/30fps@1080P, 25/30fps@720P
Video Output	1-channel BNC HDCVI high definition video output & 1-channel BNC CVBS video output
Day/Night	Auto (ICR) / Manual
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

Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	12V DC ±25%
Power Consumption	Max 4.1W (12V DC, IR on)

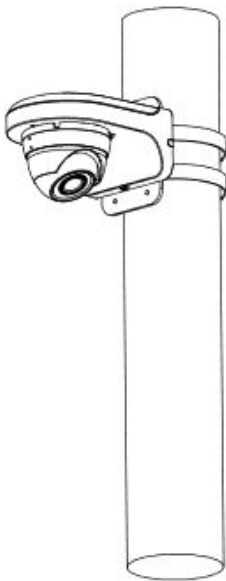
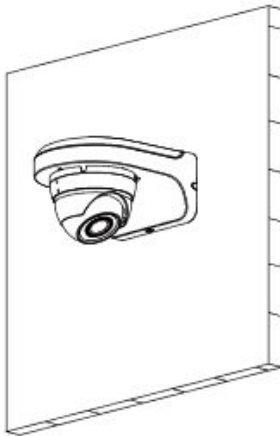
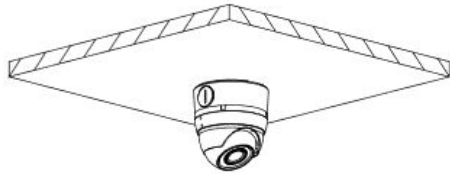
Environmental

Operating Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH* Start up should be done at above -30°C (-22°F)
Storage Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP67

Construction

Casing	Aluminum
Dimensions	93.4mm×79.4mm (3.68"×3.13")
Weight	0.28kg (0.62lb)
Gross Weight	0.35kg (0.77lb)

Accessories



Dimensions (mm/in)

