

HD2-PTZ-4

2 Megapixel 4x HD-AVS PTZ Dome Camera



- 1/2.7" 2Megapixel CMOS
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- HD and CVBS switchable
- 120dB true WDR, 3D DNR
- 4x Optical Zoom
- IP66, IK10

System Overview

The HD2-PTZ-4 from Clearview features a 1/2.7" 2Megapixel CMOS capable of 30fps in 1080P resolution and features a 4x optical zoom. The camera is also switchable to CVBS standard definition mode and features true 120dB WDR for enhanced pictures with varying light conditions..

This PTZ is IP66 weather proof and IK10 vandal proof rated. With smooth control, high quality image and excellent protection packed into a small size form factor, these features make this camera an excellent choice for most video surveillance 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.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Protection(IP66, 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 (IP66) 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	1/2.7" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/3s~1/30,000s NTSC: 1/4s~1/30,000s
Minimum Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
S/N Ratio	More than 55dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens

Lens Type	2.7mm~11mm			
Max. Aperture	F1.6			
Angle of View	H: 112.5° ~ 30°			
Optical Zoom	4x			
Focus Control	Auto / Manual			
Close Focus Distance	100mm~ 1000mm			
DORI Distance	Detect	Observe	Recognize	Identify
	394 ft	157 ft	79 ft	39 ft

Pan/Tilt/Rotation

Pan/Tilt Range	Pan: 0° ~ 355°; Tilt: 0° ~ 90°
Manual Control Speed	Pan: 0.1° ~100° /s; Tilt: 0.1° ~60° /s
Preset Speed	Pan: 100° /s; Tilt: 60° /s
Presets	300
PTZ Mode	8 Tour
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/Tour/ Pattern if there is no command in the specified period
Protocol	ICR-SD, Pelco-P/D (Auto recognition)

Video

Resolution	1080P(1920×1080)/720P(1280×720)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output/ CVBS standard definition video output (switchable)
Day/Night	Auto(ICR) / Color / B/W
OSD Menu	Support
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)
Digital Zoom	16x
Flip	180°
Privacy Masking	N/A

Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2.No.60950-1
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Interface

Video Interface	1
Audio Interface	N/A
RS485	1
Alarm I/O	N/A

Electrical

Power Supply	DC 12V/1.5A
Power Consumption	10W

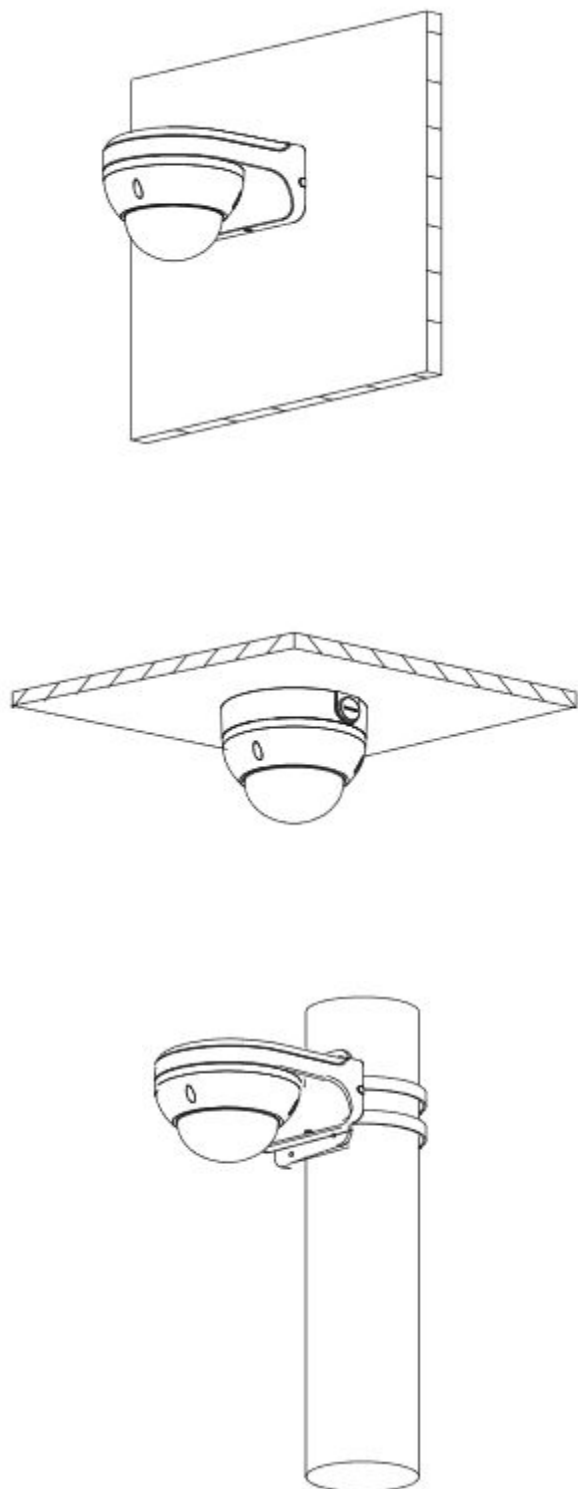
Environmental

Operating Conditions	-30°C ~ 60°C (-22°F ~ +140°F) / Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	122 (mm) x 89 (mm)
Net Weight	0.6kg(1.32lb)
Gross Weight	0.65kg(1.43lb)

Accessories



Dimensions (mm/in)

