

HD2-PTZ-20X-IR

2 Megapixel 25x Starlight HD-AVS PTZ Camera



- 1/2.8" 2Megapixel STARVIS™ CMOS
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- HD and CVBS switchable
- Starlight, 120dB true WDR, 3D DNR
- 25x Optical Zoom
- Max. IR LEDs length 150m
- IP66

System Overview

The HD2-PTZ-20X-IR from Clearview features a 1/2.8" 2 Megapixel STARVIS™ CMOS capable of 30fps in 1080P resolution and features a 25x optical zoom. The camera is also switchable to CVBS standard definition mode and features true 120dB WDR for enhanced pictures with varying light conditions..

The PTZ also features Starlight technology for enhanced low light support and long distance IR support up to 492 feet. These features including an IP66 protection rating make it suitable 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 environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

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, 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 (IP66).

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" STARVIS™ 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: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6; 0Lux@F1.6 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 150m (492ft)
IR On/Off Control	Auto/Manual
IR LEDs	6

Lens

Lens Type	4.8mm~120mm			
Max. Aperture	F1.6 ~ F4.4			
Angle of View	H: 62.8° ~ 2.6°			
Optical Zoom	25x			
Focus Control	Auto / Manual			
Close Focus Distance	100mm~ 1000mm			
DORI Distance	Detect	Observe	Recognize	Identify
	1613m 5259ft	646m 2119ft	323m 1060ft	161m 528ft

Pan/Tilt/Rotation

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 160° /s; Tilt: 0.1° ~ 120° /s
Preset Speed	Pan: 240° /s; Tilt: 200° /s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan
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	Up to 24 areas

Certifications

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

Interface

Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm I/O	2/1

Electrical

Power Supply	AC24V/3A(±10%)
Power Consumption	13W, 23W (IR on)

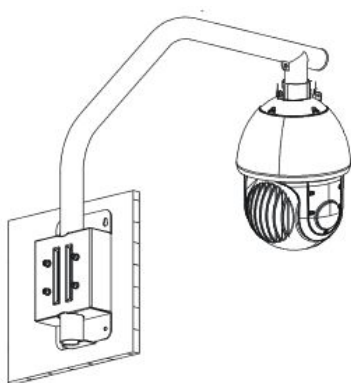
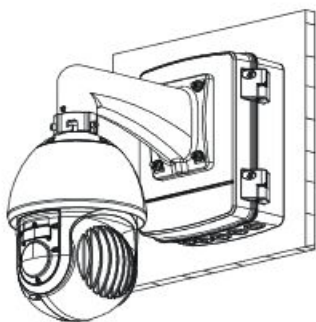
Environmental

Operating Conditions	-40°C ~ 60°C (-40°F ~ +140°F) / Less than 95% RH
Ingress Protection	IP66

Construction

Casing	Metal
Dimensions	205(mm) x 336(mm)
Net Weight	5kg(11.02lb)
Gross Weight	8.3kg(18.30lb)

Accessories



Dimensions (mm/in)

