

IPD-95Z

4MP WDR Starlight Dome Network Camera



- 1/3" CMOS image sensor, low illuminance, high image definition
- 4MP (2560 × 1440)@25/30 fps, max. supports 4MP (2688 × 1520)@20 fps
- H.265 & H.264 dual-stream encoding
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.7mm ~13.5mm motorized lens
- Max. IR LEDs length 40m
- Micro SD memory, IP67, IK10, PoE

System Overview

The IPD-95Z from Clearview is a 4MP Dome style camera with a 1/3" CMOS capable of 4MP (2560 × 1440)@30 fps and equipped with a 2.7mm ~13.5mm motorized lens. Other features include IVS support with Tripwire and Intrusion, dual stream H.265 compression for optimized storage, Starlight support with Max 131ft IR distance, IP67 and IK10 protection.

The camera's elegant blend of aesthetics combined with a suite of great features and a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Wide dynamic range (WDR)

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

Protection (IP67, IK10, wide voltage)

Supporting ±25% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. IP67 is supported by the camera, which makes it suitable for both indoor and outdoor environments. IK10 compliance enables the camera to sustain the equivalent of 5kg (11.02lbs) force.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression

Intelligent Video Analysis (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed, ideal for business intelligence, workforce optimization, and actionable intelligence.

Starlight

For challenging low-light applications, Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2688 (H) × 1520 (V)
RAM/ROM	128MB/128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.008 Lux@F1.5
IR Distance	40 m (131.23 ft)
IR On/Off Control	Auto / Manual
IR LEDs	4

Lens

Lens Type		Motorized vari-focal			
Mount Type		ø14			
Focal Length		2.7mm~13.5mm			
Max. Aperture		F1.5			
Angle of View		Pan: 104°~27° Tilt: 55°~15° Diagonal: 124°~31°			
Iris Type		Fixed aperture			
Close Focus Distance		0.8 m~0.8 m (2.62 ft~2.62 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	209 ft	25 ft	41 ft	21 ft
	T	721 ft	288 ft	144 ft	72 ft

Pan/Tilt/Rotation

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

IVS	Tripwire, Intrusion
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Video

Compression	H.265; H.264; H.264B; MJPEG
Streaming Capability	2 Streams
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Frame Rate	Main Stream: 2688 × 1520 (1-20 fps) 2560 × 1440 (1-25/30 fps) Sub Stream: 704 × 576 (1-25 fps) 704 × 480 (1-30 fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 kbps~6144 kbps H.265: 12 kbps~6144 kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/ natural/ street lamp/ outdoor/ manual/ regional custom
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)

Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Support
Digital Zoom	16x
Flip	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	N/A
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Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP; RTCP
Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	NAS Local PC for instant recording Micro SD card 256GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Certifications

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
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Interface

Video Interface	N/A
Audio Interface	N/A
Alarm	N/A

Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<6.5W

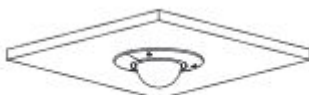
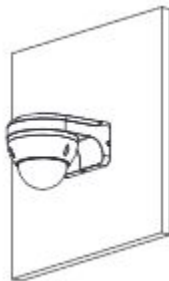
Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	122 mm × 88.9 mm (Φ4.80" × 3.50")
Net Weight	0.47 kg (1.04 lb)
Gross Weight	0.63 kg (1.39 lb)

Accessories



Dimensions (mm/in)

