

DH-IPC-HDW2121R-ZS

1.3MP WDR IR Eyeball Network Camera



System Overview

The IR Megapixel Vari-focal Eyeball camera delivers 1.3MP resolution with a motorized 2.7mm - 12mm varifocal lens. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDS from whiting 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 60m (197ft).

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.

- · 1/2.7" 1.3 Megapixel progressive CMOS
- · H.264+ & H.264 dual-stream encoding
- · 25/30fps@1.3M (1280×960)
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- \cdot Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- \cdot Micro SD card slot, up to 128GB
- · 2.7~12mm varifocal lens
- \cdot Max IR LEDs Length 60m
- · IP67, PoE



Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Protection

Supporting $\pm 10\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer

Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.



Lite Series | DH-IPC-HDW2121R-ZS

Technical Specification

BLC Mode

Camera					
Image Sensor		1/2.7" 1.3Megapixel Progressive CMOS			
Effective Pixels		1280(H) x960(V)			
RAM/ROM		256MB/16MB			
Scanning System	1	Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s			
Minimum Illumination		0.1Lux/F1.4(Color), 0Lux/F1.4(IR on)			
S/N Ratio		More than 50dB			
IR Distance		Distance up to 60m(197ft)			
IR On/Off Control		Auto/ Manual			
IR LEDs		2			
Lens					
Lens Type		Motorized			
Mount Type		Board-in			
Focal Length		2.7mm~12mm			
Max. Aperture		F1.4			
Angle of View		H:99°~37°, V:52°~21°			
Focus Control		Motorized			
Close Focus Distance		0.3m			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	35m(115ft)	14m(46ft)	7m(23ft)	4m(13ft)
	т	99m(325ft)	39m(128ft)	20m(66ft)	10m(33ft)
PTZ					
Pan/Tilt Range		Pan:0° ~360 ° ;Tilt:0° ~78° ;Rotation:0° ~360°			
Video					
Compression		H.264+/H.264			
Streaming Capat	bility	2 Streams			
Resolution		1.3M(1280x960)/720P(1280×720)/ D1(704×576/704×480)/CIF(352×288/352×240)			
Eramo Pata		1.3M(1~25/30fps)			
Frame Rate		D1/CIF(1 ~ 25/30fps)			
Bit Rate Control		CBR/VBR			
Bit Rate		H264:24K ~ 8192Kbps			
Day/Night		Auto(ICR) / Color / B/W			

BLC / HLC / WDR(120dB)

White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	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°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
Audio	
Compression	N/A
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;
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS(Network Attached Storage) Local PC for instant recording Micro SD Card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS,Easy4ip
Smart Phone	IOS, Android
Certifications	
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
Interface	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A
Electrical	
Power Supply	DC12V PoE (802.3af)(Class 0)
Power Consumption	<9.87W

Lite Series | DH-IPC-HDW2121R-ZS

Environmental		
Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
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Ingress Protection	IP67	
Vandal Resistance	N/A	
Construction		
Casing	Metal	
Dimensions	Φ122mm x 104.9mm(4.8" x4.1")	
Net Weight	0.59Kg(1.30lb)	
Gross Weight	0.71Kg(1.57lb)	

Accessories

Optional:



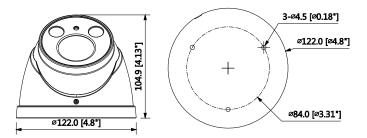


v	PFA152
int .	Pole mount

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Junction Mount	Pole Mount	
PFA137	PFB203W + PFA152	
Wall Mount		
PFB203W		

Dimensions (mm/inch)





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Туре	Part Number	Description			
1.3MP Camera	DH-IPC-HDW2121RP- ZS	1.3MP WDR IR Eyeball Network Camera, PAL			
	DH-IPC-HDW2121RN- ZS	1.3MP WDR IR Eyeball Network Camera, NTSC			
	IPC-HDW2121RP-ZS	1.3MP WDR IR Eyeball Network Camera, PAL			
	IPC-HDW2121RN-ZS	1.3MP WDR IR Eyeball Network Camera, NTSC			
Accessories (optional)	PFA137	Junction box			
	PFB203W	Wall mount			
	PFA152	Pole mount			

Ordering Information