

# DH-IPC-HDW1225C

2MP IR Eyeball Network Camera



## System Overview

The IR Megapixel Fixed camera delivers 2MP resolution with a motorized 2.8mm/3.6mm fixed 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

#### Smart Codec (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) 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 Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

#### Intelligent Video Analysis (IVS)

Dahua camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire and Intrusion, to quickly and accurately respond to monitoring events in specific area, It can enhance monitoring efficiency. In addition, the camera supports intelligent tamper detection, which is to generate warning message via detecting dramatic scene change and to guarantee effective video surveillance.

#### 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).

- $\cdot$  1/2.7" 2Megapixel progressive CMOS
- $\cdot\,$  H.264 dual-stream encoding
- · 25/30fps@1080P(1920x1080)
- $\cdot$  WDR, Day/Night(ICR), 3DNR, HLC, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 2.8 mm fixed lens (3.6mm optional)
- · Max IR LEDs Length 50m
- · IP67



## Protection (IP67, wide voltage)

The camera allows for  $\pm 25\%$  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 (IP67), the camera is the choice for installation in even the most unforgiving environments.

#### Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from-30° C to +60° C (-22° F to +140° F) with 95% humidity.

#### 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.

#### Interoperability

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



# Lite Series DH-IPC-HDW1225C

# **Technical Specification** Camera Image Sensor 1/2.7" 2Megapixel progresive CMOS 1920(H) x1080(V) Effective Pixels RAM/ROM 256MB/32MB

Video

Compression Smart Codec

Resolution

Frame Rate

Bit Rate

Bit Rate Control

Streaming Capability

Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s			
Minimum Illumination		0.08Lux/F2.0( Color,1/3s,30IRE) 0.3Lux/F2.0( Color,1/30s,30IRE) 0Lux/F2.0(IR on)			
S/N Ratio		More than 50dB			
IR Distance		Distance up to 50m(98ft)			
IR On/Off Control		Auto/ Manual			
IR LEDs		12			
Lens					
Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		2.8 mm (3.6 mm optional)			
Max. Aperture		F2.0/F2.0			
Angle of View		H:104°/92°,V:55°/50°			
Focus Control		Fixed			
Close Focus Distance		0.6m(0.9m)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	40(131ft)	16(52ft)	8(26ft)	4(13ft)
	3.6 mm	53(174ft)	21(69ft)	11(36ft)	5(16ft)
PTZ					
Pan/Tilt Range		Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°			
Intelligence					
Event Trigger		Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal access, Storage anomaly			
IVS		Tripwire, Intrusion			

H.264H/MJPEG(Sub Stream)

1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)

Main Stream: 1080P(1 ~ 25/30fps)

Sub Stream: D1(1 ~ 25/30fps)

H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps

Support H.264+

2 Streams

CBR/VBR

Day/Night	Auto(ICR) / Color / B/W				
BLC Mode	BLC/HLC/WDR				
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual				
Gain Control	Auto/Manual				
Noise Reduction	3D DNR				
Motion Detection	Off / On (4 Zone, Rectangle)				
Region of Interest	Off / On (4 Zone)				
Electronic Image	Support				
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;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPPoE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP; TLS				
Interoperability	ONVIF Profile S&G, API				
Streaming Method	Unicast / Multicast				
Max. User Access	10 Users / 20 Users				
Edge Storage	NAS Local PC for instant recording				
Web Viewer	IE, Chrome, Firefox, Safari				
Management Software	Smart PSS, DSS, DMSS				
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				
R\$485	N/A				
Alarm	N/A				
Electrical					
Power Supply	DC12V,				
Power Consumption	<5.5W				

# Lite Series DH-IPC-HDW1225C

Environmental				
Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH			
Strorage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	N/A			
Construction				
Casing	Metal+Plastic			
Dimensions	Ф108mm×84.9mm(4.25''x3.15'')			
Net Weight	0.23Kg(0.51lb)			
Gross Weight	0.387Kg(0.85lb)			

# Accessories

# **Optional:**







PFB203W Wall mount

PFA152-E Pole mount



Rev 001.001© 2018 Dahua. All rights reserved. Design and specifications are subject to change without notice.