

# DH-IPC-HDW8341X-3D

## 3MP Dual-Lens People Counting Network Camera



- Two 1/2.8" 3Megapixel progressive scan CMOS
- H.265&H.264 triple-stream encoding
- 25fps@3MP(2048×1536)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8mm fixed lens (3.6mm optional)
- Max. IR LEDs Length 10m
- Micro SD memory, IP67, PoE
- People Counting: Support line crossing people counting, region people counting



excellent video quality.

### System Overview

Ultra series product adopts high performance DSP and Sony advanced image sensor technology, which can provide excellent image effects for users. The series utilizes Dahua advanced software algorithm, which is able to support people counting, bringing extra business analysis value for customers. The dual-lens design can get depth information which brings high accuracy of people counting. Besides, IP67 and IK10 enables the product to be applied in a more harsh environment.

### Functions

#### Intelligent Video System (IVS)

Dahua camera has a built-in video analysis based on intelligent algorithms and can achieve the following: Tripwire, Intrusion, Abandoned/ Missing can timely, quickly and accurately respond to monitoring events in specific area. It enhances monitoring efficiency. At the same time, the camera can support face detection, it can quickly capture a face and upload the image to the server. In addition the camera also supports intelligent tamper detection, through dramatic changes in the scene it will send out warning information to ensure effective monitoring.

#### Business intelligent analysis (People counting, Heatmap)

Dahua Camera also supports more advanced intelligent features such as people counting and heat map besides basic IVS functions. These two functions can be applied to business intelligence and bring extra values to customers. It is available to acquire daily, weekly, monthly and yearly people flow via people counting and output data report. Heat map can be based on a moving object in time of space movement for analysis, find the most active area and output the report, which is to provide valuable data support for commercial applications.

#### Smart Scene Adaptive (SSA)

Smart Scene Adaptive (SSA) is a Dahua self-developed intelligent image technology, the camera automatically evaluates the change in scene, in particular strong lights. In a strong backlight environment, it will automatically regulate exposure parameters to get better image quality. This can effectively address the impact of traffic lights, providing

#### Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

#### Protection (IP67, wide voltage)

Supporting  $\pm 25\%$  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.

#### Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

### Technical Specification

#### Camera

Image Sensor	Two 1/2.8"3Megapixel progressive scan CMOS
Effective Pixels	2048(H)x1536(V)
RAM/ROM	512MB/4096MB
Scanning System	Progressive
Minimum Illumination	2.8mm: 0.04Lux/F1.8 (Color,1/3s,30IRE) 0.14Lux/F1.8 (Color,1/30s,30IRE) 0Lux/F1.8 (IR on) 3.6mm: 0.008Lux/F2.1 (Color,1/3s,30IRE) 0.07Lux/F2.1 (Color,1/30s,30IRE) 0Lux/F2.1 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 10m(33ft)
IR On/Off Control	Auto/ Manual
IR LEDs	1

#### Lens

Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8mm (3.6mm)				
Max. Aperture	F1.8 (F2.1)				
Angle of View	H: 137° (106°), V:114° (80°),				
Optical Zoom	N/A				
Focus Control	Fixed				
Close Focus Distance	0.6m (0.9m)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	45m(147ft)	18m(59ft)	9m(29ft)	4m(13ft)
	3.6 mm	57m(187ft)	23m(75ft)	11m(36ft)	6m(19ft)

#### Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Tilt:-10°~70°;
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#### Intelligence

Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly
IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	People Counting: Support line crossing people counting, region people counting; Heatmap

#### Video

Compression	H.265/H.264H/MJPEG(Sub Stream)
Smart Codec	Support H.265+/H.264+
Streaming Capability	3 Streams
Resolution	3MP(2048x1536)/ 1080P(1920x1080)/ 1.3M(1280x960)/ 720P(1280x720)/ D1(704x576/704x480) / VGA(640x480)/ CIF(352x288/342x240)
Frame Rate	Main Stream: 3MP (1~25fps)
	Sub Stream 1: D1 (1~ 25/30fps)
	Sub Stream 2: 6MP (1~7fps, For Debugging Only)

Bit Rate Control	CBR/VBR
Bit Rate	H.264: 192~ 10240Kbps H.265: 80~ 6144Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR / SSA
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 Stabilization (EIS)	N/A
Smart IR	Support
Defog	Support
Digital Zoom	16x
Flip	N/A
Mirror	N/A
Privacy Masking	Off / On (4 Area, Rectangle)

#### Audio

Compression	G.711a/ G.711Mu/ AAC/ G.726
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#### Network

Ethernet	RJ-45 (100/1000Base-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 Mirco SD card 128GB
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
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#### Interface

Video Interface	1 port (For Adjustment Only)
Audio Interface	2/1 channel In/Out (RCA), Built-in Mic
RS485	N/A
Alarm	2/2 channel In/Out

Electrical

Power Supply	DC12V, PoE (IEEE 802.3af)(Class 0)
Power Consumption	< 12W

Environmental

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

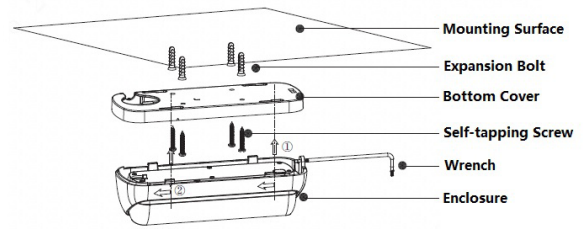
Construction

Casing	Metal
Dimensions	204mmx78mmx62mm (8.03"x3.07"x2.44")
Net Weight	0.8kg (1.76lb)
Gross Weight	1.09kg (2.40lb)

Ordering Information

Type	Part Number	Description
3MP Camera	DH-IPC-HDW8341XP-3D-0280	3MP Dual-Lens People Counting Network Camera,PAL
	DH-IPC-HDW8341XN-3D-0280	3MP Dual-Lens People Counting Network Camera,NTSC
	IPC-HDW8341XP-3D-0280	3MP Dual-Lens People Counting Network Camera,PAL
	IPC-HDW8341XN-3D-0280	3MP Dual-Lens People Counting Network Camera,NTSC
	DH-IPC-HDW8341XP-3D-0360	3MP Dual-Lens People Counting Network Camera,PAL
	DH-IPC-HDW8341XN-3D-0360	3MP Dual-Lens People Counting Network Camera,NTSC
	IPC-HDW8341XP-3D-0360	3MP Dual-Lens People Counting Network Camera,PAL
	IPC-HDW8341XN-3D-0360	3MP Dual-Lens People Counting Network Camera,NTSC

Installation



Dimensions (mm/inch)

