

DH-IPC-HDBW1420E

4MP Network Mini IR Dome Camera



System Overview

The IR Megapixel Fixed MiniDome camera delivers 4MP resolution with a choice of 2.8mm or 3.6mm wide angle lens options. 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 30m (98ft).

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

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust to IP67 standards, making it suitable for indoor or outdoor environments. With its IK10 rated impact resistant design, the

- .1/3" 4Megapixel progressive scan CMOS
- .H.264+ & H.264 dual-stream encoding
- .Max 20fps@4M(2688x1520)&25/30fps@ 3MP(2304×1296)
- .DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- .Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- .3.6mm fixed lens (2.8mm optional)
- .Max. IR LEDs Length 30m
- .IP67, IK10, PoE







camera provides maximum durability against vandals making it capable of withstanding the equivalent of 55 kg (120lbs) of force.

Supporting ±25% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Streaming

With a choice of unicast or multicast streaming, bandwidth-efficient viewing, recording and third-party video management can easily be achieved. Dual streaming enables bandwidth-efficient viewing and recording. Depending on the resolution and frame rate selected on the first stream, the second stream provides a copy at a lower resolution.

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.



Smart IR

Flip Mirror

Digital Zoom

Privacy Masking

Support

Off / On

0°/90°/180°/270°

Off / On (4 Area, Rectangle)

16x

chnical Specification	on	۸	udio	
amera		Au	uuiU	
anici a		Co	ompression	N/A
mage Sensor	1/3" 4Megapixel progressive scan CMOS	Ne	etwork	
Effective Pixels	2688(H) x1520(V)	Fth	hernet	RJ-45 (10/100Base-T)
RAM/ROM	256MB/16MB	20	Herrice	HTTP;HTTPs;TCP;ARP
Scanning System Minimum Illumination S/N Ratio	Progressive 0.1Lux/F2.0(Color), 0Lux/F2.0 (IR on) More than 50dB	Pro	otocol	UDP;SMTP;FTP;DHCP; PPPOE;IPv4/v6;QoS;U Bonjour;802.1x;Multic
IR Distance	Distance up to 30m (98ft)	Int	toronorability	
IR On/Off Control	Auto/ Manual		teroperability	ONVIF, PSIA, CGI
R LEDs	24		reaming Method	Unicast / Multicast
(LLUS	44	Ma	ax. User Access	10 Users/20 Users
-ens	5: 1	Ed	lge Storage	NAS, Local PC for instant re
Lens Type	Fixed	We	eb Viewer	IE, Chrome, Firefox, Sa
Mount Type	Board-in	Ma	anagement Software	Smart PSS, DSS, Easy4
ocal Length	2.8mm(3.6mm optional)	Sm	nart Phone	IOS, Android
Max. Aperture	F2.0	C-	artifications	
Angle of View	H:106°/83°, V:60°/47°	Ce	ertifications	
ocus Control	Manual			CE (EN 60950:2000)
Close Focus Distance	N/A	Ce	ertifications	UL: UL60950-1
PTZ				FCC: FCC Part 15 Subp
	Pan:0° ~355° ;Tilt: 0° ~65° ;	Int	terface	
Pan/Tilt Range	Rotation: 0° ~355°			
/ideo			deo Interface	N/A
video		Au	udio Interface	N/A
Compression	H.264+/ H.264	RS	5485	N/A
Streaming Capability	2 Streams	Ala	arm	N/A
Resolution	4MP(2688×1520)/3M(2304×1296 1080P(1920×1080)/720P(1280×	Ele	ectrical	
	720)/ D1(704×576/704×480) /	Po	ower Supply	DC12V, PoE (802.3af)(
	CIF(352×288/352×240)	Po	ower Consumption	<4.0W/5.0W
rame Rate	4M(1 ~ 20fps)/ 3MP(1 ~ 25/30fps)	En	nvironmental	
	D1(1 ~ 25/30fps)			-30°C ~ +60°C (-22°F ~
Bit Rate Control	CBR/VBR	Ор	perating Conditions	Less than 90% RH
Bit Rate	H.264:32K ~ 10Mbps			-30°C ~ +60°C (-22°F ~
Day/Night	Auto(ICR)/Color/B/W	Str	rorage Conditions	Less than 90% RH
BLC Mode	BLC / HLC / DWDR	Inc	gress Protection	IP67
White Balance	Auto/Natural/Street Lamp/ Outdoor/Manual		andal Resistance	IK10
Gain Control	Auto/Manual	Co	onstruction	
Noise Reduction	3D DNR	20	7.13ti dello11	
Motion Detetion	Off / On (4 Zone, Rectangle)	Ca	asing	Metal
Region of Interest	Off / On (4 Zone)		mensions	Ф 109.9mm × 81mm (4.
		NI -	- + \A/-:- -+	0.241/-/0.7511-)

Net Weight

Gross Weight

0.34Kg (0.75lb)

0.47Kg (1.04lb)

Ordering Information					
Туре	Part Number	Description			
3MP	DH-IPC-HDBW1420EP -0280B	4MP Network IR Mini-Dome Camera, DWDR, PAL			
	DH-IPC-HDBW1420EN -0280B	4MP Network IR Mini-Dome Camera, DWDR, NTSC			
	IPC-HDBW1420EP -0280B	4MP Network IR Mini-Dome Camera, DWDR, PAL			
	IPC-HDBW1420EN -0280B	4MP Network IR Mini-Dome Camera, DWDR, NTSC			
camera	DH-IPC-HDBW1420EP -0360B	4MP Network IR Mini-Dome Camera, DWDR, PAL			
	DH-IPC-HDBW1420EN -0360B	4MP Network IR Mini-Dome Camera, DWDR, NTSC			
	IPC-HDBW1420EP -0360B	4MP Network IR Mini-Dome Camera, DWDR, PAL			
	IPC-HDBW1420EN -0360B	4MP Network IR Mini-Dome Camera, DWDR, NTSC			
A 000000000	PFB203W	Wall mount			
Accessorie (optional)	PFA136	Junction box			
(optional)	PFA152	Pole mount			



