

DH-IPC-HF8630F-E

6MP Box Network Camera



- 1/1.8" 6Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 triple-stream encoding
- 25/30fps@6M(3072×2048)
- DWDR, Day/Night(ICR), 3DNR,AWB,AGC,BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- Auto back focus(ABF)
- Micro SD memory, PoE



System Overview

Ultra series adopts high performance DSP and Sony advanced image sensor technology, which can provide excellent image effects for users. With Dahua advanced software algorithm, the series is able to support people counting and heat map which brings extra business analysis value for customers.

without straining the network. Smart Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

Functions

ePoE technology

The ePoE technology of Dahua, designed internally, adopts advanced 2D-PAM3 coding modulation from physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. Besides, it supports PoE and PoC power supply technology which has greatly simplified construction and wiring. Dahua ePoE technology offer a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

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 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

Technical Specification			
Camera		BLC Mode	BLC / HLC / DWDR/ SSA
Image Sensor	1/1.8" 6Megapixel progressive scan CMOS	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Effective Pixels	3072(H)x2048(V)	Gain Control	Auto/Manual
RAM/ROM	1024MB/128MB	Noise Reduction	3D DNR
Scanning System	Progressive	Motion Detection	Off / On (4 Zone, Rectangle)
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s	Region of Interest	Off / On (4 Zone)
Minimum Illumination	0.005Lux/F1.2(Color,1/3s,30IRE) 0.05Lux/F1.2(Color,1/30s,30IRE) 0.003Lux/F1.2(B/W,1/3s,30IRE) 0.03Lux/F1.2(B/W,1/30s,30IRE)	Electronic Image Stabilization (EIS)	Support
S/N Ratio	More than 50dB	Smart IR	N/A
IR Distance	N/A	Defog	Support
IR On/Off Control	N/A	Digital Zoom	16x
IR LEDs	N/A	Flip	0°/90°/180°/270°
Lens		Mirror	Off / On
Lens Type	N/A	Privacy Masking	Off / On (4 Area, Rectangle)
Mount Type	C/CS	Audio	
Focal Length	N/A	Compression	G.711a/ G.711Mu/ AAC/ G.726
Max. Aperture	N/A	Network	
Angle of View	N/A	Ethernet	RJ-45 (100/1000Base-T)
Optical Zoom	N/A	Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP; FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP;S NMP;TLS
Focus Control	N/A	Interoperability	ONVIF Profile S&G, API
Close Focus Distance	N/A	Streaming Method	Unicast / Multicast
Pan/Tilt/Rotation		Max. User Access	10 Users/20 Users
Pan/Tilt/Rotation Range	N/A	Edge Storage	NAS Local PC for instant recording Mirco SD card 128GB
Intelligence		Web Viewer	IE, Chrome, Firefox, Safari
Event Trigger	Motion detection, Video tampering , Scene changing, Network disconnection , IP address conflict, Illegal Access,Storage anomaly	Management Software	Smart PSS, DSS, DMSS
IVS	Tripwire, Intrusion, Object Abandoned/Missing	Smart Phone	IOS, Android
Advanced Intelligent Functions	Face Detection, People Counting, Heat Map	Certifications	
Video		Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
Compression	H.265/H.264/H.264B/H.264H/MJPEG(Sub Stream)	Interface	
Smart Codec	Support H.265+/H.264+	Video Interface	1 port(BNC,1Vp-p,75Ω)
Streaming Capability	3 Streams	Audio Interface	2/1 channel In/Out, 1 Built-in Mic
Resolution	6M(3072x2048)/ 5M(2560x1920)/ 3M(2048x1536)/ 3M(2304x1296)/ 1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/ D1(704x576/704x480) / VGA(640x480)/ CIF(352x288/342x240)	RS485	1 port
Frame Rate	Main Stream: 6M(1~25/30fps) Sub Stream: D1 (1 ~ 25/30fps) Third Stream: 1080P(1~25/30fps)	Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC
Bit Rate Control	CBR/VBR	Electrical	
Bit Rate	H.264: 24~ 16384Kbps H.265: 14~ 9984Kbps	Power Supply	DC12V, AC24V, PoE(802.3af)(Class 0)
Day/Night	Auto(ICR) / Color / B/W	Power Consumption	<7W
		Power Out	165mA 12VDC

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	N/A
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	161.6mm×85.5mm×74.0mm (6.36"×3.37"×2.91")
Net Weight	0.72Kg (1.59lb)
Gross Weight	0.92Kg (2.03lb)

Ordering Information

Type	Part Number	Description
6MP camera	DH-IPC-HF8630FP-E	6MP Box Network Camera, PAL
	DH-IPC-HF8630FN-E	6MP Box Network Camera, NTSC
	IPC-HF8630FP-E	6MP Box Network Camera, PAL
	IPC-HF8630FN-E	6MP Box Network Camera, NTSC
Accessories (optional)	PFB110W	Wall mount
	PFB121W	Wall mount
	PLZ20C0-D	3.7~16mm Lens
	PLZ21C0-D	10.5~42mm Lens
	PFH610 Series	Housings

Accessories

Optional:



PFB110W
Wall mount



PFB121W
Wall mount



PLZ20C0-D



PLZ21C0-D



PFH610 Series

Wall Mount	Wall/Ceiling/Plane Mount
PFB121W	PFB110W

Dimensions (mm/inch)

