

DH-IPC-HFW4239T-ASE

2MP WDR Full-color Starlight Mini Bullet Network Camera







System Overview

With upgraded H.265 encoding technology, Eco-savvy series brings high efficient video compression capability. It can save bandwidth and storage. Meanwhile, the series features starlight, full-color starlight, smart IR technology and intelligent image analysis techniques. This series supports reminder function, meanwhile fully protected from dust and water, certified to IP67 and vandal resistant to IK10 standard.

Functions

Full-color Starlight

With the adoption of high performance sensor and large-sized aperture lens, the camera is able to provide a more colorful image even under lowlight environment. Full-color starlight cameras are prefect for applications of low-light conditions which is over 1 lux, such as parking lots, urban streets, schools, museums, etc.

*Full-color starlight cameras can not work in total darkness environment.

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.

Wide Dynamic Range(WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

- · 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H. 265&H.264 triple-stream encoding
- · 25/30fps@1080P(1920×1080)
- · Smart Detection supported
- · WDR(120dB), Day/Night(Electronic), 3DNR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 3.6mm fixed lens (6mm optional)
- · 1/1 Alarm in/out, 1/1 audio in/out
- · Micro SD Memory, IP67, IK10, PoE















Intelligent Video System (IVS)

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera supports face detection to quickly capture a face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

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, allowing the camera to operate in the harshest environments.

Protection(IP67, wide voltage)

The camera allows for ±30% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 4KV 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.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec 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 H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.



Technical Specification						White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
Camera							Gain Control	Auto/Manual
Image Sensor		1/2.8" 2Megapixel progressive scan CMOS					Noise Reduction	3D DNR
Effective Pixels		1920(H) x 1080(V)					Motion Detetion	Off / On (4 Zone, Rectangle)
RAM/ROM		256MB/32MB					Region of Interest	Off / On (4 Zone)
Scanning System		Progressive					Electronic Image Stabilization	
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s					(EIS)	N/A
Minimum Illumination		0.001Lux/F1.0 (Color,1/3s,30IRE) 0.006Lux/F1.0 (Color,1/30s,30IRE)					Smart IR	N/A
S/N Ratio		More than 50dB					Defog	N/A
IR LEDs							Digital Zoom	16x
Lens							Flip	0°/90°/180°/270°
Lens Type		Fixed					Mirror	Off / On
Mount Type		Board-in					Privacy Masking	Off / On (4 Area, Rectangle)
Focal Length		3.6mm (6mm optional)					Audio	
Max. Aperture		F1.0(F1.0)					Compression	G.711a/ G.711Mu/ AAC/ G.726
Angle of View		H: 87°/54°, V:47°/20°					Network	
Focus Control		Fixed					Ethernet	RJ-45 (10/100Base-T)
Close Focus Dis		1.6m(5.3ft)/3.5m (11.5ft)					Ethernet	
DORI Distance	Lens 3.6 mm	Detect 53m(174ft)	Observe 21m(69ft)	Recognize 11m(36ft)	Identify 5m(16ft)		Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;PPPOE;IE EE802.1X;SMTP;SNMP;FTP;DHCP;DNS;DDNS;PPPoE; IPV4/V6;QoS;UPnP;NTP;Bonjour;IEEE 802.1X;Multic ast;ICMP;IGMP;TLS;SSH;NFS
	6.0 mm	83m(289ft)	33m(108ft)	17m(56ft)	8m(26ft)		Interoperability	ONVIF Profile S&G, API
Pan/Tilt/Rot	tation						Streaming Method	Unicast / Multicast
Pan/Tilt/Rotation Range		Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°					Max. User Access	10 Users /20 Users
Intelligence								NAS
Event Trigger		Motion detection, Video tampering , Scene changing, Network disconnection , IP address conflict, Illegal Access, Storage anomaly					Edge Storage	Local PC for instant recording Mirco SD card 128GB
							Web Viewer	IE, Chrome, Firefox, Safari
IVS		Tripwire, Intrusion, Object Abandoned/Missing					Management Software	Smart PSS, DSS, DMSS
Advanced Intelligent Functions		Face Detection					Smart Phone	IOS, Android
Video							Certifications	
Compression		H.265/H.264/H.264B/H.264H/MJPEG(Sub Stream)					Certifications	CE (EN 60950:2000)
Smart Codec		Support H.265+/H.264+						UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capability		3 Streams 1080P(1920x1080)/1.3M(1280x960)/					Interface	
Resolution		720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)					Video Interface	N/A
Frame Rate		Main Stream: 1080P (1~25/30fps)					Audio Interface	1/1 channel In/Out
		Sub Stream: D1(1~25/30fps)					RS485	N/A
		Third Stream: 1080P(1~25/30fps)					Alarm	1 channel In: 5mA 5VDC
Bit Rate Control		CBR/VBR						1 channel Out: 300mA 12VDC
Bit Rate		H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps					Electrical	
Day/Night		Color(default) /Auto(Electronic) / B/W					Power Supply	DC12V, PoE (802.3af)(Class 0)
BLC Mode		BLC / HLC / WDR(120dB)					Power Consumption	<4W

Eco Savvy 3.0 | DH-IPC-HFW4239T-ASE

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
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Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	244.1mm×79mm×75.9mm (9.61"×3.11"×2.99")
Net Weight	0.815kg (1.80lb)
Gross Weight	1.08kg (2.38lb)

Ordering Information				
Туре	Part Number	Description		
	DH-IPC- HFW4239TP-ASE	2MP Full-color Starlight Mini Bullet Network Camera, WDR, PAL		
2MP camera	DH-IPC- HFW4239TN-ASE	2MP Full-color Starlight Mini Bullet Network Camera, WDR,NTSC		
ZIVIF CAITIETA	HFW4239TP-ASE	2MP Full-color Starlight Mini Bullet Network Camera, WDR,PAL		
	HFW4239TN-ASE	2MP Full-color Starlight Mini Bullet Network Camera, WDR,NTSC		
	PFA135	Junction box		
Accessories (optional)	PFA152-E	Pole Mount		
	LR1002	ePoE Over Coax Converter		

Accessories

Optional:







PFA135 Junction Box

PFA152-E Pole Mount

LR1002 ePoE Over Coax Converter

Junction Mount	Pole Mount
PFA135	PFA135 + PFA152-E

Dimensions (mm/inch)



