

# DH-HAC-ME2241C

2MP HDCVI Active Deterrence Camera





- · Starlight
- · Max 30fps@1080P
- · HD and SD output switchable
- · 2.8mm fixed lens (3.6mm optional)
- · Max. IR length 20m, Smart IR
- · Built-in PIR, 15m/110°detecting range/angle
- · Active deterrence with white light & siren
- · Built-in mic
- · IP67, DC12V















### **System Overview**

This PIR model is an indoor/outdoor dual detection camera which uses both video and infrared sensor to achieve accurate motion detection functionality. It also supports active deterrence feature which warns off intruders with white light and siren even before users are aware of the incident. This camera is an ideal choice for applications which require intrusion protect and video verification , such as courtyards, offices, warehouses, stores, etc.

#### **Functions**

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio\*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

\* Audio input is available for some models of HDCVI cameras.

# **Long Distance Transmission**

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m transmission for 5MP HD video via coaxial cable, and up to 300m via UTP cable.\*

\*Actual results verified by real-scene testing in Dahua's test laboratory.

# **Simplicity**

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

#### **Dual Detection**

The detection accuracy is well guaranteed with both motion detection and PIR detection, which can eliminate the number of false alarms you receive. With the advantage of dual detection technology, your HDD will now last longer and not be recorded with false alarms. Gone are the days of alarms caused by heavy wind or rain. Instead, only true threats will instantly trigger an alarm and allow you to protect your loved ones.

#### **Active Deterrence**

Active deterrence is to warn off intruders actively with white light and siren even before users are aware of the incidence. Once an intursion is detected, the white light will turn on and the siren will buzzer to alert the intruder. The white light can be set to Normally on or Flash, the content of siren is configurable.

# Starlight

With the adoption of large sized high performance sensor, the camera is able to provide incomparable performance even under extreme lowlight environment. The starlight feature allows more details to be captured and accurate color to be recognized at night or in scenes with limited illumination.

#### Smart IR

The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

# **Broadcast-quality Audio**

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

#### Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67, making it suitable for indoor or outdoor environments.

With PIR working temperature range of-20 °C to +60 °C (-4 °F to +140 °F), the MotionEye is designed for extreme temperature environments.

Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Day/Night

Auto (ICR) / Manual

Technical Specification				OSD Menu	Multi-language
Camera			BLC Mode	BLC / HLC / WDR	
Image Sensor	1/2.8" CMOS			WDR	120dB
Effective Pixels	1920(H)×1080(V), 2MP			Gain Control	AGC
Scanning System	Progressive			Noise Reduction	2D/3D
Electronic Shutter Speed	PAL: 1/4s~1/100,000s NTSC: 1/3s~1/100,000s			White Balance	Auto / Manual
Minimum Illumination	0.004Lux/F1.6, 30IRE, 0Lux IR on			Smart IR	Auto / Manual
S/N Ratio	More than 65dB			PIR	
IR Distance	Up to 20m (66feet)			Detection	Passive infrared
IR On/Off Control	Auto / Manual			Detection Range	Max. 15m, 110°
IR LEDs	1			Alarm prompt	Whitelight & Siren
Lens			Installation height	Defualt bracket, wall mount, 2.2-2.5m	
Lens Type	Fixed lens / Fixed iris			Certifications	
Mount Type	Board-in				CE (EN55032, EN55024, EN50130-4)
Focal Length	2.8mm (3.6mm Optional)			Certifications	FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Max Aperture	F1.6			Interface	
Angle of View	H: 110° (86.9°) V: 60° (46.3°)			Audio Interface	Built-in mic & 1 ch audio in interface
Focus Control	N/A			Eelectrical	
Close Focus Distance	500mm(1200mm) 19.7"(47.2")			Power Supply	12V DC ±30%
DORI Distance				Power Consumption	Max 5.5W (12V DC, IR on)
	aral provimity" of dictance w	which makes it easy to		Environmental	
Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.				Operating Conditions	-20°C $^{\sim}$ +60°C (-4°F $^{\sim}$ +140°F) / Less than 95% RH * Start up should be done at above-20°C (-4°F)
	DORI	Distance		Storage Conditions	-20°C ~ +60°C (-4°F ~ +140°F) / Less than 95% RH
Detect	Definition 25px/m	2.8mm: 39m(128ft)		Ingress Protection &Vandal Resistance	IP67
20.000	(8px/ft) 63px/m	3.6mm: 55m(180ft) 2.8mm: 15m(49ft)		Construction	
Observe	(19px/ft)	3.6mm: 22m(72ft)		Casing	Plastic (Body) + Aluminium (Bracket)
Recognize	125px/m (38px/ft)	2.8mm: 8m(26ft) 3.6mm: 11m(36ft)		Dimensions	144.7mm×76.7mm×146.4mm (5.70"×3.02"×5.76")
Identify	250ppm (76px/ft)	2.8mm: 4m(13ft) 3.6mm: 6m(20ft)		Net Weight	0.41kg (0.90lb)
Pan / Tilt / Rotation	( 1 , ,	,		Gross Weight	0.55kg (1.21lb)
Pan: $0^{\circ} \sim 360^{\circ}$ an/Tilt/Rotation Tilt: $0^{\circ} \sim 90^{\circ}$ Rotation: $0^{\circ} \sim 360^{\circ}$					
Video					
Resolution	1080P (1920×1080)				
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P				
Video Output	1-channel BNC high definition video output / CVBS video output (DIP switch)				

# PIR Series | DH-HAC-ME2241C

Ordering Information						
Туре	Part Number	Description				
2MP Camera	DH-HAC-ME2241CP 2.8mm	2MP HDCVI Active Deterrence Camera, PAL				
	DH-HAC-ME2241CP 3.6mm					
	DH-HAC-ME2241CN 2.8mm	2MP HDCVI Active Deterrence				
	DH-HAC-ME2241CN 3.6mm	Camera, NTSC				
Accessories	PFA134	Junction box (For use alone or with PFA152-E pole mount)				
	PFA152-E	Pole mount (For use with PFA134 junction box)				
	PFM800-E	Passive HDCVI Balun				
	PFM800-4K	Passive Video Balun				
	PFM800B-4K	Passive Video Balun				
	PFM321	12V 1A Power Adapter				
	PFM320D-015	12V 1.5A Power Adapter				
	PFM300	12V 2A Power Adapter				

Dimensions (mm/inch)					

**Junction Mount** 

PFA134

# Accessories

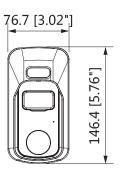
# Optional:

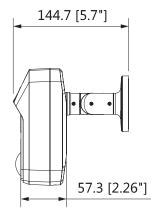


PFA134 Junction box



PFA152-E Pole mount





**Pole Mount** 

PFA134 + PFA152-E



PFM800-E Passive HDCVI Balun



PFM800-4K Passive Video Balun



PFM800B-4K Passive Video Balun



PFM321 12V 1A Power Adapter



PFM320D-015 Power Adapter



PFM300 Power Adapter

