

# DH-HAC-ME2241C-W

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 Airfly transceiver, up to 32 wireless devices connection
- · 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.

# **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.

#### Wireless Gateway

The camera is integrated with a built-in Airfly transceiver to connect to multiple wireless alarm devices such as smoke detectors or door contacts. Once a paired sensor is triggered, the gateway camera can receive alarms wirelessly through Airfly protocol and push the alarm to the recorder along with video. The camera can also trigger actuators such as wireless sirens. The gateway camera supports up to 32 wirelessly connected channels and its maximum range reaches 100 meters in open space.

# 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.

Auto (ICR) / Manual

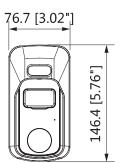
Day/Night

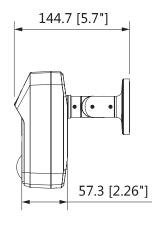
Technical Specification			OSD Menu	Multi-language	
Camera		BLC Mode	BLC / HLC / WDR		
Image Sensor	1/2.8" CMOS		WDR	120dB	
Effective Pixels	1920(H)×1080(V), 2MP		Gain Control	AGC	
Scanning System	Progressive		Noise Reduction	2D/3D	
Electronic Shutter Speed	PAL: 1/4s~1/100,000s NTSC: 1/3s~1/100,000s		White Balance	Auto / Manual	
Minimum Illumination	0.004Lux/F1.6, 30IRE, 0	Lux 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		IoT Features	IoT Features	
Mount Type	Board-in		Wireless Frequency	433/868/915Mhz	
Focal Length	2.8mm (3.6mm Optiona	al)	Wireless Protocol	Airfly	
Max Aperture	F1.6		Device Connection	Up to 32 wireless devices connection	
Angle of View	H: 110° (86.9°) V: 60° (46.3°)		Wireless Transmission Distance	Up to 100m (open space/ no interference)	
Focus Control	N/A		Certifications	Certifications	
Close Focus Distance	500mm(1200mm) 19.7"(47.2")		Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-20: UL (UL60950-1+CAN/CSA C22.2 No.60950-1)	
DORI Distance			Interface	02 (0200300 210111) 031 (02212 1101003300 2)	
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.			Audio Interface	Built-in mic & 1 ch audio in interface	
	DORI Definition	Distance	Eelectrical	42// DC +200/	
Detect	25px/m	2.8mm: 39m(128ft)	Power Supply	12V DC ±30%	
Detect	(8px/ft)	3.6mm: 55m(180ft) 2.8mm: 15m(49ft)	Power Consumption	Max 5.5W (12V DC, IR on)	
Observe	63px/m (19px/ft)	3.6mm: 22m(72ft)	Environmental	-20°C ~ +60°C (-4°F ~ +140°F) / Less than 95% RH	
Recognize	125px/m (38px/ft)	2.8mm: 8m(26ft) 3.6mm: 11m(36ft)	Operating Conditions	* Start up should be done at above-20°C (-4°F)	
Identify	250ppm	2.8mm: 4m(13ft)	Storage Conditions	-20°C ~ +60°C (-4°F ~ +140°F) / Less than 95% RH	
Pan / Tilt / Rotation			Ingress Protection &Vandal Resistance	IP67	
Pan: 0° ~ 360°			Construction		
Pan/Tilt/Rotation	otation Tilt: $0^{\circ} \sim 90^{\circ}$ Rotation: $0^{\circ} \sim 360^{\circ}$		Casing	Plastic (Body) + Aluminium (Bracket)	
Video			Dimensions	144.7mm×76.7mm×146.4mm (5.70"×3.02"×5.76"	
Resolution	1080P (1920×1080)		Net Weight	0.41kg (0.90lb)	
Frame Rate	25/30fps@1080P, 25/30	0/50/60fps@720P	Gross Weight	0.55kg (1.21lb)	
Video Output	1-channel BNC high def video output (DIP switch	inition video output / CVBS h)			

# PIR Series | DH-HAC-ME2241C-W

Ordering Information				
Туре	Part Number	Description		
2MP Camera	DH-HAC-ME2241CP-W 2.8mm (433/868/915)	2MP HDCVI Active Deterrence Camera, PAL		
	DH-HAC-ME2241CP-W 3.6mm (433/868/915)			
	DH-HAC-ME2241CN-W 2.8mm (433/868/915)	2MP HDCVI Active Deterrence Camera, NTSC		
	DH-HAC-ME2241CN-W 3.6mm (433/868/915)			
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		

Pole Mount				
PFA134 + PFA152-E				
Dimensions (mm/inch)				





# **Accessories**

# Optional:



PFA134 Junction box



PFA152-E Pole mount



PFM800-E Passive HDCVI Balun



PFM800-4K Passive Video Balun



PFM800B-4K Passive Video Balun





PFM320D-015 Power Adapter



PFM300 Power Adapter