

OS-H1-SI2F-0280 | 2MP HDCVI MOTIONEYE CAMERA



HDCVI

- Max 30fps@1080P
- HD and SD output switchable
- 2.8mm fixed lens
- 12m/100°detecting range/angle
- Two level detection sensitivity adjustable
- Built-in tamper switch
- DC12V



System Overview

This MotionEye model is an indoor PIR camera. It consists of a full HD pinhole HDCVI camera and a passive infrared sensor, allowing hidden video monitoring and the gathering of video evidence for intrusion alarms. When the passive infrared sensor is triggered, it transmits an alarm signal (along with video signal) to the XVR over coax. Built-in PIR and coax alarm output makes the camera an ideal choice for applications which require video verification of intrusion alarms, such as courtyards, offices, warehouses, stores, etc.

Functions

Covert Surveillance

The camera integrated in MotionEye adopts cone-shaped pinhole lens which is hidden in the PIR case. Therefore, the video monitoring can hardly be realized.

Wide Detection Range

Designed with Fresnel lens, the PIR of MotionEye is able to cover wide monitoring range with horizontal angle of view up to 100° within a distance from 1m to 12m.

Accurate Alarm

The detection accuracy is well guaranteed with dual sensor technology, which determines intrusion based on both temperature and displacement. It automatically filters false positives such as a pet. Moreover, the sensitive of the alarm is adjustable.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 800m transmission via coaxial cable, and up to 300m via UTP cable*.

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

Tamper-proof Design

The device is designed with a built-in tamper switch to prevent itself from malicious separated. Once the case is damaged and the tamper switch is triggered, alarm info will be uploaded immediately.

Protection

With working temperature range of -10 °C to +50 °C (14 °F to +122 °F), the camera is designed for various temperature environments. Supporting ±25% 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.

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Technical Specifications

Camera		
Image Sensor	1/2.9" CMOS	
Effective Pixels	1920(H)×1080(V), 2MP	
Scanning System	Progressive	
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s	
Minimum Illumination	0.02Lux/F2.0(Color), 0.002Lux/ F2.0(B/W)	
S/N Ratio	More than 65dB	
IR Distance	N/A	
IR On/Off Control	N/A	
IR LEDs	N/A	
Lens		
Lens Type	Fixed lens / Fixed iris	
Mount Type	Board-in	
Focal Length	2.8mm	
Max. Aperture	F2.0	
Angle of View	H: 100.5°	
Focus Control	Fixed	
Close Focus Distance	500mm - 19.7"	
Dori Distance		
*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.		
	DORI Definition	Distance
Detect	25px/m (8px/ft)	44m (143ft)
Observe	63px/m (19px/ft)	17m (57ft)
Recognize	125px/m (38px/ft)	9m (29ft)
Identify	250ppm (76px/ft)	4m (14ft)
Pan / Tilt / Rotation		
Pan/Tilt Range	Pan: 0° ~ 180° Tilt: 0° ~ 180° Rotation: 0° ~ 360°	

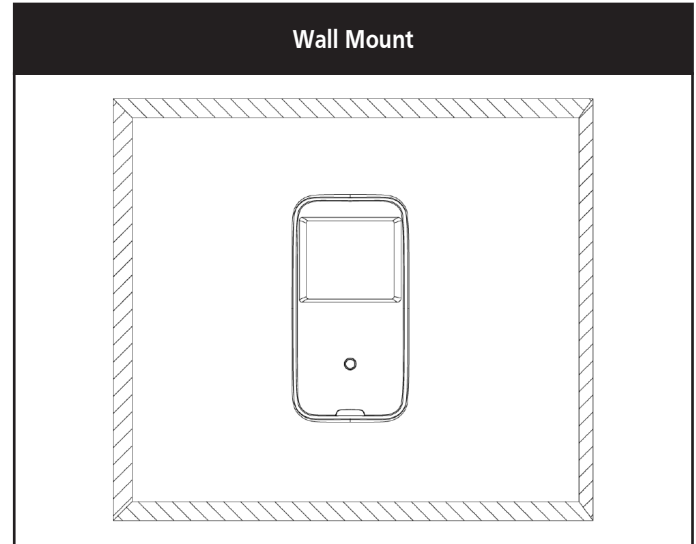
Video	
Resolution	1080P (1920×1080)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Day/Night	Auto (Electronic) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
White Balance	Auto / Manual
PIR	
Detection	Passive infrared
Detection Range	12mx12m, 100°, 19zones
Alarm prompt	Red led, can be set to switch off
Sensitivity	Two level (jumper)
Pet immunity	≤18Kg
Resistance light	6500LUX
Installation height	Default bracket, wall mount, 2.2-2.5m
Certifications	
Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Interface	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A
Electrical	
Power Supply	12V DC ±25%
Power Consumption	Max 0.7W (12V DC, IR on)

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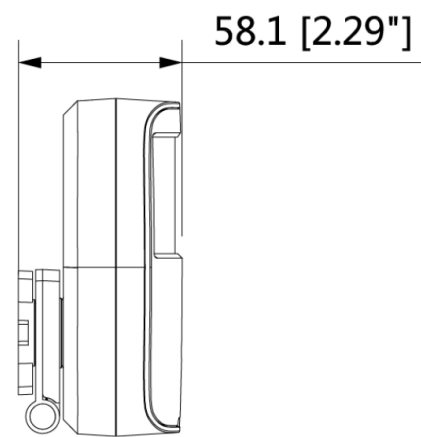
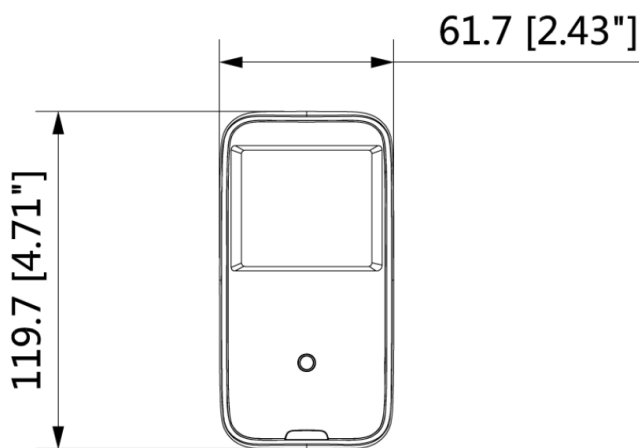
Technical Specifications (2)

Environmental	
Operating Conditions	-10°C ~ +50°C (14°F ~ +122°F) / Less than 90% RH <small>* Start up should be done at above -10°C (14°F)</small>
Storage Conditions	-10°C ~ +50°C (14°F ~ +122°F) / Less than 90% RH
Ingress Protection	N/A
Vandal Resistance	N/A
Construction	
Casing	Plastic
Dimensions	120mm×62mm×58mm (4.72"×2.44"×2.28")
Net Weight	0.13kg (0.29lb)
Gross Weight	0.18kg (0.40lb)

Mount options



Dimensions (mm/inch)



* The information contained in this document (photos, drawings, dimensions, specifications) may be subject to change without prior notice.

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