

DH-HAC-LC1200SL-W

2MP HDCVI Gateway Camera

HDCVI



- Max 30fps@1080P
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Max. IR length 30m, Smart IR
- Supports international frequencies: 433/868/915Mhz
- Built-in Airfly transceiver, up to 32 wireless devices connection
- Up to 100m (open space/no interference) wireless alarm transmission distance
- IP67, DC12V



System Overview

Experience a comprehensive surveillance system linking HDCVI video with information from sensors. The camera offers high quality 1080P video and a multi-language OSD. It is also able to connect to multiple wireless alarm devices with a built-in Airfly transceiver, enabling users to receive warnings of potential risks linked with visual evidence, allowing them to secure personnel and property across multiple dimensions. This camera is suitable for SMB solutions such as stores, offices, or home use where both monitoring reliability and high cost performance is required.

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 800m(1080P)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) 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.

Smart IR

The camera is designed with microcrystalline 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.

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.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance and privacy mask. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

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

With working temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera 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.

Technical Specification

Camera

Image Sensor	1/2.7" 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, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 30m (98feet)
IR On/Off Control	Auto / Manual
IR LEDs	18

Lens

Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	3.6mm (2.8mm, 6mm Optional)
Max Aperture	F2.0
Angle of View	H: 89.9° (112°/54.7°)
Focus Control	N/A
Close Focus Distance	800mm (600mm/1800mm) 31.5" (23.6"/70.9")

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)	2.8mm: 40m(131ft) 3.6mm: 53m(175ft) 6mm: 78m(257ft)
Observe	63px/m (19px/ft)	2.8mm: 16m(53ft) 3.6mm: 21m(70ft) 6mm: 31m(103ft)
Recognize	125px/m (38px/ft)	2.8mm: 8m(26ft) 3.6mm: 11m(35ft) 6mm: 16m(52ft)
Identify	250ppm (76px/ft)	2.8mm: 4m(13ft) 3.6mm: 5m(17ft) 6mm: 8m(26ft)

Pan / Tilt / Rotation

Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°
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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 (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
White Balance	Auto / Manual
Smart IR	Auto / Manual

IoT Features

Wireless Frequency	433/868/915Mhz
Wireless Protocol	Airfly
Device Connection	Up to 32 wireless devices connection
Wireless Transmission Distance	Up to 100m (open space/ no interference)

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)
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Interface

Audio Interface	N/A
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Eeectrical

Power Supply	12V DC ±30%
Power Consumption	Max 4.4W (12V DC, IR on)

Environmental

Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH * Start up should be done at above-40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection & Vandal Resistance	IP67

Construction

Casing	Plastic
Dimensions	161.9mm×69.8mm×69.8mm (6.37"×2.75"×2.75")
Net Weight	0.22kg (0.49lb)
Gross Weight	0.31kg (0.68lb)

Ordering Information		
Type	Part Number	Description
2MP Camera	DH-HAC-LC1200SLP-W 2.8mm (433/868/915)	2MP HDCVI Gateway Camera, PAL
	DH-HAC-LC1200SLP-W 3.6mm (433/868/915)	
	DH-HAC-LC1200SLP-W 6mm (433/868/915)	
	DH-HAC-LC1200SLN-W 2.8mm (433/868/915)	2MP HDCVI Gateway Camera, NTSC
	DH-HAC-LC1200SLN-W 3.6mm (433/868/915)	
	DH-HAC-LC1200SLN-W 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	1 Channel Passive HDCVI Balun
	PFM321	12V 1A Power Adapter
	PFM320D-015	12V 1A Power Adapter
	PFM320	12V 2A Power Adapter

Accessories

Optional:



PFA134
Junction box



PFA152-E
Pole mount



PFM800-E
Passive HDCVI Balun



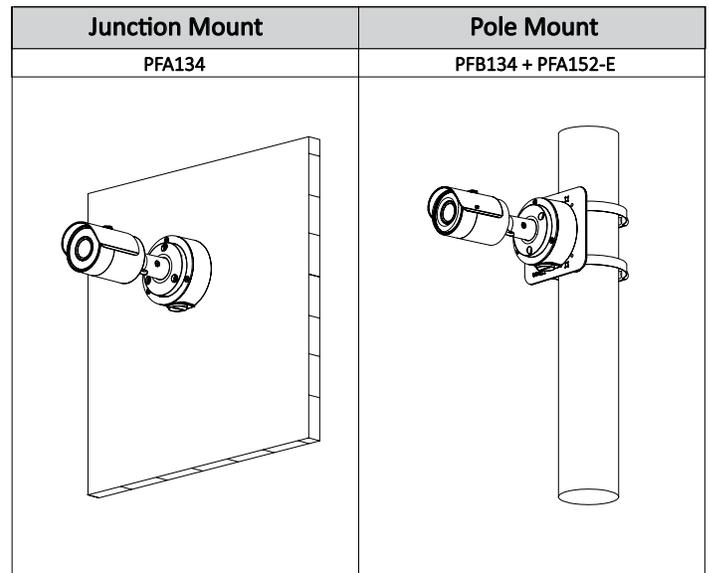
PFM321
12V 1A Power Adapter



PFM320D-015
Power Adapter



PFM320
12V 2A Power Adapter



Dimensions (mm/inch)

