alhua



DH-HAC-HDPW1200R 2MP HDCVI IR Dome Camera

HDCVI

- · Max 30fps@1080P
- \cdot HD and SD output switchable
- · 3.6mm fixed lens (2.8mm optional)
- · Max. IR length 20m, Smart IR
- \cdot DC12V



System Overview

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 1080P HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various vari-focal/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

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 IR LED 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.

Multi-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with not only HCVRs but also most end users' existing HD/SD DVRs.

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, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

Protection

Supporting $\pm 25\%$ 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.

Lite Series | DH-HAC-HDPW1200R

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/F1.85, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 20m (66feet)
IR On/Off Control	Auto / Manual
IR LEDs	12
Lens	
Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	3.6mm (2.8mm Optional)
Max Aperture	F1.85
Angle of View	H: 89.9° (103°)
Focus Control	N/A
Close Focus Distance	900mm(600mm) 35.43'' (23.6'')

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)
Observe	63px/m (19px/ft)	2.8mm: 16m(52ft) 3.6mm: 21m(70ft)
Recognize	125px/m (38px/ft)	2.8mm: 8m(26ft) 3.6mm: 11m(35ft)
Identify	250ppm (76px/ft)	2.8mm: 4m(14ft) 3.6mm: 5m(17ft)
Pan / Tilt / Rotation		

Pan/Tilt/Rotation	Pan: 0° ~ 355° Tilt: 0° ~ 70° Rotation: 0° ~ 355°
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
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	
Audio Interface	N/A
Eelectrical	
Power Supply	12V DC ±25%
Power Consumption	Max 2.9W (12V DC, IR on)
Environmental	
Operating Conditions	-40°C ~ +45°C (-40°F ~ +104°F) / Less than 90% RH * Start up should be done at above-40°C (-40°F)
Storage Conditions	-40°C \sim +45°C (-40°F \sim +104°F) / Less than 90% RH
Ingress Protection & Vandal Resistance	N/A
Construction	
Casing	Plastic
Dimensions	Φ100mm×74.3mm(Φ3.9"×2.9")
Net Weight	0.13kg (0.29lb)
Gross Weight	0.22kg (0.49lb)

Lite Series | DH-HAC-HDPW1200R

Junction Mount Ordering Information PFA130-E PFA122 Туре Part Number Description DH-HAC-HDPW1200RP 2.8mm 2MP HDCVI IR Dome Camera, PAL DH-HAC-HDPW1200RP 3.6mm 2MP Camera DH-HAC-HDPW1200RN 2.8mm 2MP HDCVI IR Dome Camera, NTSC DH-HAC-HDPW1200RN 3.6mm Wall Mount **Pole Mount** PFB203W PFB203W + PFA152-E PFA130-E Junction box (For use alone) PFA122 Junction box (For use alone) Wall mount (For use alone or with PFB203W PFA152-E pole mount) Pole mount (For use with PFA152-E PFB203W wall mount) Rain Shade(For use alone or with PFA200W PFA152-E pole mount) **Ceiling Mount (Extensible)** Wall Mount with Rain Shade Adapter Plate PFA106 PFA200W PFA106+PFB220C Accessories PFM820 UTC Controller PFB220C Ceiling mount bracket PFM800-E Passive HDCVI Balun PFM800-4MP Passive HDCVI Balun PFM801-4MP Passive HDCVI Balun With Power Pole Mount with Rain Shade PFM321 12V 1A Power Adapter PFA152-E+PFA200W PFM320D-015 12V 1.5A Power Adapter

Accessories

Optional:





PFA130-E Junction box

PFA200W

Rain shade



PFA122

PFA106

Adapter plate





PFM820 Ceiling mount bracket UTC Controller



. . PFM320D-015 Power Adapter

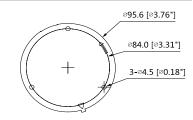






PFM321 Passive HDCVI Balun 12V 1A Power Adapter

100.0 [3.94"] ቴ⇔ያ 74.3 [2.93"]





Rev 001.001 © 2017 Dahua. All rights reserved. Design and specifications are subject to change without notice

Wall mount

PFB203W

PFB220C





