

DH-HAC-HDW1220R

2MP HDCVI IR Eyeball Camera

HDCVI



- · Max 30fps@1080P
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm, 6mm optional)
- · Max. IR length 20m, Smart IR
- · DC12V









System Overview

Experience full HD 1080P/ HD 720P video with the simplicity of using existing cabling infrastructure. The Lite series features compact design and high quality image at friendly price. It offers various vari-focal/fixed lens models with multi-language OSD and HD/SD switchable output. The structure flexibility and best cost-performance makes lite series camera an ideal choice for SMB solutions.

Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 maxial cable simultaneously, i.e. video, audio*, data and power. Dy Coway 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 transplacion at long distance without any loss. It supports up to 800m(180P)/1200m(720P) transmission via coaxial cable, and up to wom(1080P)/450m(720P) via UTP cable.*

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

Simplicity

HDCVI technology inherits the part feature of simplicity from traditional analog surveillance system within itself a best choice for investment protection. HDCVI system seamlessly upgrade the traditional analog system without polacing existing coaxial cabling. The plug and play approach enable will HD video surveillance without the hassle of configuring a network.

Smart IR

The camera Diesigned with microcrystalline LED IR illumination for best lowlight reference. Smart IR is a technology to ensure brightness uniformly 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 can upports multiple video formats including HDCVI, CVBS and other wo common HD analog formats in the market. The four formats can be wiched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with not only HCVRs but also nost 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

With working temperature range of-40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. 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-HDW1220R

Technical Specification	n	Certifications	
Camera	1 10 211 21 12 2	Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSTC634-
Image Sensor	1/2.9" CMOS		UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Effective Pixels	1920(H)×1080(V), 2MP	Interface	
Scanning System	Progressive	Audio Interface	N/A
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s	Eelectrical	
Minimum Illumination	0.02Lux/F2.0, 0Lux IR on	Power Supply	12V DC ±25%
S/N Ratio	More than 65dB	Power Consumption	Max 2.8W (12V/DC, IR on)
IR Distance	Up to 20m (66feet)	Environmental	
IR On/Off Control	Auto / Manual	Operating Conditions	-40°
IR LEDs	12	Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90%
Lens		Ingress Protection &Vanda Resistance	NA
Lens Type	Fixed lens / Fixed iris	Construction	
Mount Type	Board-in	Casing	Plastic
Focal Length	3.6mm (2.8mm, 6mm Optional)	Dimensions	Φ85.4mm×69.1mm (Φ3.36"×2.72")
Max Aperture	F2.0	Net Weight	0.11kg (0.24lb)
Angle of View	H: 82.8° (106°/51.2°)	Gross Weight	0.17kg (0.37lb)
Focus Control	N/A		
Close Focus Distance	800mm (500mm/1900mm) 31.5" (19.7"/74.8")		
Pan / Tilt / Rotation		S	
Pan/Tilt/Rotation	N/A 800mm (500mm/1900mm) 31.5" (19.7"/74.8") Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°		
Video			
Resolution	1080P (1920×1080)		
Frame Rate	25/30fps@1080P, 25/30/50/50fps@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 / PLC / DWDR		
WDR	DWDR		
Gain Control	√ ∧AGC		
Noise Reduction	2D		

Auto / Manual

Auto / Manual

White Balance

Smart IR

Ordering Information			
Туре	Part Number	Description	
2MP Camera	DH-HAC-HDW1220RP 2.8mm		
	DH-HAC-HDW1220RP 3.6mm	2MP HDCVI IR Eyeball Camera, PAL	
	DH-HAC-HDW1220RP 6mm		
ZIVIP Calliela	DH-HAC-HDW1220RN 2.8mm		
	DH-HAC-HDW1220RN 3.6mm	2MP HDCVI IR Eyeball Camera, NTSC	
	DH-HAC-HDW1220RN 6mm		
	PFA122	Junction box (For use alone or with PFA152 pole mount)	
Accessories	PFA152	Pole mount (For use with PFA122 junction box)	
	PFM820	UTC Controller	

Accessories

Optional:







PFA122 Junction box

PFA152 Pole mount

PFM820 UTC Controller

Junction Mount	Pole Mount
PFA122	PFB122 + PFA152
Dimensions (mm/inch))
69.1 [2.72]	Ø85.4 [Ø3.36"] Ø70.2 [Ø2.76"] 2-Ø5 [Ø0.2"]

