

# DH-HAC-HDW1400TMQ-Z(-A)

4MP HDCVI Quick-to-install IR Eyeball Camera



- · Max 30fps@4MP
- · Quick-to-install eyeball saves installation time
- · CVI/CVBS/AHD/TVI switchable
- · 2.7-12mm motorized lens
- · Built-in mic(-A)
- · Max. IR length 60m, Smart IR
- · IP67, DC12V













### **System Overview**

Experience 4MP full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 4MP HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/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 XVR, 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.

#### **Easy Installation**

HDCVI Quick-to-install eyeball adopts quick-to-install pedestal, which can achieve easier installation than conventional eyeball. Quick-to-install camera reduces time and labor costs.

#### **Long Distance Transmission**

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700 m for 4MP HD video via coaxial cable, and up to 300 m 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 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

lightning.

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 -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Supporting  $\pm 30\%$  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

# Lite Series | DH-HAC-HDW1400TMQ-Z(-A)

Technical Specification						White Balance	Auto; manual
Camera					Gain Control	Auto; manual	
Image Sensor		1/2.7 inch CMOS				Noise Reduction	2D NR
Max. Resolution		2560(H)×1440(V)				Smart IR	Yes
Pixel		4MP				Electronic Defog	Yes
Scanning Syste	em	Progressive				Mirror	Off/On
Electronic Shu	ıtter Speed	PAL: 1/25s-1/100000s NTSC: 1/30s-1/100000s				Privacy Masking	Off/On (8 area, rectangle)
S/N Ratio		>65dB				Certifications	
Min. Illumination		0.02Lux/F1.7, 30IRE, 0Lux IR on				Certifications	CE (EN55032:2015, EN 61000-3-2:2014, EN 61000- 3-3:2013, EN55024:2010+A1:2015, EN 55035:2017, EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
Illumination Distance		60 m (196.9 ft)					
Illuminator On/Off Control		Auto; manual				Port	
Illuminator Number		2				Audio Output	One channel built-in mic (-A)
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Lens						Power	
Lens Type		Motorized vari-focal				Power Supply	12V ±30% DC
Auto Focus		N/A				Power Consumption	Max 6.6W (12V DC, IR on)
Mount Type		ф14				Environment	
Focal Length		2.7 mm-12 mm				Operating Temperature	-30°C to +60°C (-22°F to 140°F);<95% (noncondensation)
Max. Aperture		F1.7 Diagonal: 38	8°− 127°			Storage Temperature	-30°C to +60°C (-22°F to 140°F);<95% (noncondensation)
Field of View		Horizontal: 33°–106° Vertical: 19°–56°				Protection Grade	IP67
Iris Type		Fixed iris				Structure	
Close Focus Distance		0.8m (2.6 ft)				Casing	Metal dome+metal cover+plastic decorative ring
DORI Distance		Detect	Observe	Recognize	Identify	Camera Dimensions	Φ135 mm×109 mm ( Φ5.31"×4.28" )
	2.7mm	58.7m	23.5m	11.7m	5.9m	Net Weight	0.52 Kg (1.15 lb)
	12mm	(192.6 ft) 177.8m	(77.1 ft) 71.1m	(38.4 ft) 35.6m	(19.4 ft) 17.8m	Gross Weight	0.69 Kg (1.52 lb)
	12111111	(583.3 ft)	(233.27 ft)	(116.8 ft)	(58.4 ft)		

WDR

Frame Rate

Video

Day/Night Auto switch by ICR

PAL: 4M@25fps; 1080P@25fps; NTSC: 4M@30fps; 1080P@30fps

4M (2560 × 1440); 1080P (1920 × 1080); 960 H (960 × 576/960 × 480)

AHD:

TVI: PAL: 4M@25fps; NTSC: 4M@30fps CVBS: PAL: 960H; NTSC: 960H

DWDR

PAL: 4M@25fps; NTSC: 4M@30fps

BLC/HLC/DWDR

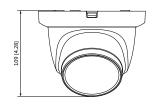
www.dahuasecurity.com

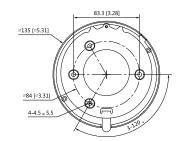
# Lite Series | DH-HAC-HDW1400TMQ-Z(-A)

Ordering Information								
Туре	Part Number	Description						
	DH-HAC- HDW1400TMQP-Z 2.7-12mm							
4MP Camera	DH-HAC- HDW1400TMQN-Z 2.7-12mm	4MP HDCVI IR Eyeball Camera						
4IVIP Calliela	DH-HAC- HDW1400TMQP-Z-A 2.7-12mm							
	DH-HAC- HDW1400TMQN-Z-A 2.7-12mm							
	PFA13F	Junction Box						
	PFB211W	Wall Mount Bracket (For use alone or with PFA152-E)						
	PFA152-E	Pole Mount Bracket (For use with PFB203W)						
Accessories	PFM800-4K	Passive HDCVI Balun						
	PFM321D	12V 1A Power Adapter						
	PFM820 (Only 1080P and below are available)	UTC Controller						
	PFM904	Integrated Mount Tester						

Junction Mount	Wa <b>ll</b> Mount	Pole Mount(Vertical)

# Dimensions (mm[inch])





## Accessories

### **Optional:**



PFA13F Junction box



PFB211W Wall Mount Bracket (For use alone or with PFA152-E)



PFA152-E Pole Mount Bracket (For use with PFB203W)



PFM800-4K Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM820 UTC Controller



PFM904 Integrated Mount Tester