

# DH-HAC-HDW1200TMQ-A-POC

2MP HDCVI POC Fixed IR Quick-to-install Eyeball Camera



\* The parameters and datasheets below can only be applied to 1200-S5-POC series.

- Max 30 fps@1080P.
- · Quick-to-install eyeball saves installation time.
- 3.6mm fixed lens (2.8mm,6mm optional).
- · CVI/CVBS/AHD/TVI switchable.
- Built-in mic.
- Max. IR length 60m, Smart IR.
- IP67, PoC (only CVI)/12V±30% DC.



#### Series Overview

Built for convenience, the PoC Series features highly reliable cameras that are powered directly by recorders on the same coaxial cable\* that its videos are transmitted over. HDCVI PoC technology greatly reduces material and installation cost, making it an ideal choice for customers who are on a tight budget and are working with scenes that require complex deployment.

\*We recommend choosing RG59 or RG6 cable for PoC transmission.

### 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.

#### Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 700m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300m 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 high definition video surveillance without the hassle of configuring a network.

#### **Smart Illumination**

The camera is designed with 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.

#### **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.

#### **Broadcast-quality Audio**

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing the quality and effectiveness of collected audio information.

#### Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

# POC series | DH-HAC-HDW1200TMQ-A-POC

Gain Control

Auto; manual

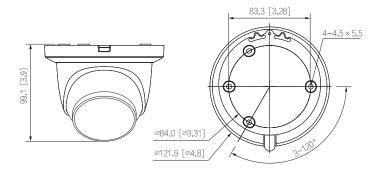
Electronic Shutter SpeedNit:1/25 s-1/100,000 s Nitsc: 1/30 s-1/100,000 s Nitsc: 1/30 s-1/100,000 s Nitsc: 1/30 s-1/100,000 sCertificationsStel C(ERR APCC Part 15 subparts, AMSI C63A-20.40) (Licosobori -CAM/C6A UC6A 06090-1))5/N Tatio> 56 dBMin. Illumination0.02 Lux/F1.9, 30 IRE, 0 Lux/R on of (140 S 9 ft)Illumination Distanceion (136 9 ft) </th <th>-</th> <th></th> <th></th> <th></th>	-			
mage SensorMinorOthonMax. Resolution1900 (cp) (since) (cp)Privacy MaskingOthon (since, metangle)Paire244CartificationsCartificationsSchniel SystemNice SystemCartificationsCartificationsSW heinSchliel SystemOthon (since) (sinc	Technical Specification	on	Noise Reduction	2D NR
Mark Resolution3020 (H) 1000 (H)Privace (Masking)Office (Sarea, retarge)Read244Privace (Masking)CertificationsCertificationsStanting SystemPergrosseCertificationsCertificationsStantian SystemPergrosseCertificationsCertificationsStantian SystemPergrosseCertificationsCertificationsStantian SystemPergrosseCertificationsCertificationsMinilium SystemPergrosseCertificationsPerceMinilium SystemPergrossePercePerceMinilium SystemPercePercePerceMinilium SystemPercePercePercePart/H/Yotzbin ReadPerce<	Camera		Smart IR	Yes
Pield     MM     Certifications       Seming System     Morgessive     Certifications       Filectonic Shatter Speed     Micro 1205 - 12000000 s     Certifications       System     > 65 d8     Certifications     Certifications       Min. Iluminator     0.02 Luo/13.9.01 III.0 Luo III.0 on IIII.0 on III.0 on IIII.0 on IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Image Sensor	2MP CMOS	Mirror	Off/On
Sanning SydemPergravakePergravakePercentage <td>Max. Resolution</td> <td>1920 (H) × 1080 (V)</td> <td>Privacy Masking</td> <td>Off/On (8 area, rectangle)</td>	Max. Resolution	1920 (H) × 1080 (V)	Privacy Masking	Off/On (8 area, rectangle)
Number     No.     CC (CFA 7 Code 3 - 2024)       Electronic Shutter Speed     NS: 1295 - 12100.000 g     No.       SAN Ratio     > 65 dB     No.       SAN Ratio     > 65 dB     No.       Minillumination Distance     60 m (156 dH)     No.       Minillumination Distance     60 m (156 dH)     No.       Minillumination Distance     10 m (156 dH)     No.       Minillumination Distance     10 m (156 dH)     No.       Minillumination Distance     10 m (156 dH)     No.       Minillumination Mumber     2 (Rill BPR)     Power       Maxibini: 0 - 50 dH     Time F-30 dH     Power Supply       Ministro F Number     Find Environ     Ministro F Number Supply       Ministro F Number     Find Environ     Power Supply       Ministro F Number Supply     Ministro F Number Supply     Ministro F Number Supply       Ministro F Number Supply     Ministro F Number Supply     Ministro F Number Supply       Field Of View Supply     Supply Supply     Supply Supply     Supply Supply Supply       Field Of View Supply Suppl	Pixel	2MP	Certifications	
International NELT295-F1/100,0003<	Scanning System	Progressive	Certifications	
S/N Ratio > 6x dB   Mini Illumiation 0x0 Lux/F10, 30 HE, 0 Lux HB on   Hummator Distance S m (205 B H), 0 Lux HB on   Hummator Distance S m (205 B H), 0 Lux HB on   Hummator Volff Cove Audo input on One channel bulk in mic   Hummator Number S m (205 B H), 0 Lux HB on   Bary HI/Robit One Share Power   Hummator Number S m (205 B H), 0 Lux HB on   Bary HI/Robit One Share Power Consumption   Hummator Number S m (205 B H), 0 Lux HB on   Bary HI/Robit One Share Power Consumption   Hum And Part One Share Power Consumption   Roard Distance S m (205 B H), 1 Lux HB one   Mont Type Find Instance   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   Roard Distance S m (205 B H), 1 LUX HB one   S m (205 B H), 1 LUX HB one S m (205	Electronic Shutter Speed			
Minimitanian 0.02 Lux/F1.9.3 tolle, 0 Luxik on pire   Hinmination Dixtance 0 m (15.9 /t) Audio Input Audio Input Audio Input Audio Input Audio Input Power   Hinminator Number 1 (Rith) 1 (Rith) Audio Input Power Power   Pan/Tril/Robation Rag 1 (Rith) Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Pan/Tril/Robation Rag Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Pan/Tril/Robation Rag Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Pan/Tril/Robation Rag Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Rotation Trip Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Rotation Trip Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Rotation Trip Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Rotation Trip Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Rotation Trip Foxion Consumption Mad Suff (Rith) Mad Suff (Rith) Mad Suff (Rith)   Rotation Trip Foxion Trip Foxion Trip Ma	S/N Ratio	> 65 dB		Video output choices of CVI/TVI/AHD/CVBS by one BN
number     number     number     number       ituminator Number     2kito, manual     Power       par/Tit/Atation Rum     Par. 0 - 360°     Rest - 360°       par/Tit/Atation Rum     Par. 0 - 360°     Rest - 360°       tituminator Number     Par. 0 - 360°     Rest - 360°       tituminator Number     Par. 0 - 360°     Rest - 360°       tituminator Number     Par. 0 - 360°     Rest - 360°       tituminator Number     Fael Iens     Power Consumption     Max 490 (12 VDC, Ront); POC (AF)       tituminator Number     Fael Iens     Power Consumption     Max 490 (12 VDC, Ront); POC (AF)       tituminator Number     Fael Ions     Station 1100 (10 (10 (10 (10 (10 (10 (10 (10 (1	Min. Illumination	0.02 Lux/F1.9, 30 IRE, 0 Lux IR on	Video Output	
Name and Support Calinal Status     Nature and Support Calinal Status       Itiuminator Number     2 (Rigik)     Moder Support     Moder Support     Moder Support       Par/Till/Rotation Range     Till OF-78° (Intro OF-78°)     Moder Support     Moder Support     Moder Support       Lens     Finance     Finace     Finance     Finace	Illumination Distance	60 m (196.9 ft)	Audio Input	One channel built-in mic
number     Zumps/     Summary and status       Pan/Titl/Rotation Range     Recelors     Mathematical Status       Lens     File     File     Status       Lens     Mathematical Status     Operating Temperature     -Mo <sup>+</sup> Cito +60 <sup>+</sup> Cit(-40 <sup>+</sup> Tito 140 <sup>+</sup> Tit) < 95% (non-condensation)       Mount Type     Mile     Stammary and status     Starge Temperature     -Mo <sup>+</sup> Cito +60 <sup>+</sup> Cit(-40 <sup>+</sup> Tito 140 <sup>+</sup> Tit) < 95% (non-condensation)       Field of View     2.8 mm; D: 105 <sup>+</sup> /H × 101 <sup>+</sup> /V × 54 <sup>+</sup> dome D: 05 <sup>+</sup> /H × 54 <sup>+</sup> Starge Temperature     -Mo <sup>+</sup> Cito +60 <sup>+</sup> Cit(-40 <sup>+</sup> Tito 140 <sup>+</sup> Tit) < 95% (non-condensation)       field of View     2.8 mm; D: 105 <sup>+</sup> /H × 101 <sup>+</sup> /V × 54 <sup>+</sup> Starge Temperature     -Mo <sup>+</sup> Cito +60 <sup>+</sup> Cit(-40 <sup>+</sup> Tito 140 <sup>+</sup> Tit) < 95% (non-condensation)       field of View     5.8 mm; D: 105 <sup>+</sup> /H × 101 <sup>+</sup> /V × 54 <sup>+</sup> Starge Temperature     -Mo <sup>+</sup> Cito +60 <sup>+</sup> Cit(-40 <sup>+</sup> Tito 140 <sup>+</sup> Tit) < 95% (non-condensation)       field of View     5.8 mm; D: 105 (H × 150 <sup>+</sup> )     Starge Temperature     -Mo <sup>+</sup> Cito +60 <sup>+</sup> Cito +10 <sup>+</sup> Cito +1	Illuminator On/Off Control	Auto; manual	Power	
Pan/Tit/Rotation Range   Title 07-92° Rotation: 07-930° Rotation: 07-930°   Find Company Comp	Illuminator Number	2 (IR light)	Power Supply	POC (only CVI)/12V±30% DC
Number of a point of	Den (Tille (Detail)		Power Consumption	Max 4.9W (12 VDC, IR on); POC (AF)
Close     Cloe     Close     Close <thc< td=""><td>Faily filly Kotation Kange</td><td></td><td>Environment</td><td></td></thc<>	Faily filly Kotation Kange		Environment	
Mount TypeM12Mount TypeM12Focal Length2.8 mm; 3.6 mm; 6 mmMount TypeF1.9Case Decision Control Cont			Operating Temperature	
Protection GradeProtection GradeProfection GradeProfe			Storage Temperature	
Max. Aperture   F1-9   Structure     Field of View   2.8 mm: D: 100'; H: 50'; V: 30''   Games   Max Aperture   Max Aperture   Games   Games   Games   Games   Games   Games   Games   Max Aperture   Games   Max Aperture   Games   Max Aperture   Games   Game			Protection Grade	IP67
Field of View	-		Structure	
Field of View   3.6 mm: D: 100°; H:: 84°; V: 45°;   Camera Dimensions   \$121.9 mm x 99.1 mm (46.4 % x 3.9")     Ivis Type   5.8 mm: D: 60°; H:: 56°; V: 30°   Net Weight   0.42 Kg (0.9 lb)     Close Focus Distance   3.6 mm: D: 80 m (12.6 ft);   Gross Weight   0.62 Kg (1.4 lb)     DoRI Distance   3.6 mm: D: 80 m (12.6 ft);   S.15.4 ft); S.3 m (12.8 ft);   S.19.9 m (55.3 ft); S.3 m; S.29 m (55.3 ft); K: 5.9 m	Max. Aperture		Casing	Metal dome+metal cover+plastic decorative ring
Inits type     Fixed ins     Outcome       2.8 mm: 0.5 m (1.6 ft) 6 mm: 2 m (6.6 ft)     Gross Weight     0.62 Kg (1.4 lb)       DORI Distance     2.8 mm: 0.5 m (12.6 ft); 0.15.4 m (50.5 ft); R: 7.7 m (25.3 ft); 1:5 m (16.4 ft) 6 mm: 0.2 s, 0 m (12.8 ft); 0.19.9 m (65.3 ft); R: 9.9 m (32.5 ft); 1:5 m (16.4 ft) 6 mm: 0.82 kg (21.7 ft); 0.33.1 m (108.6 ft); R: 16.6 m (54.5 ft); 1:8.3 m (27.2 ft)     Frame Rate     Ovi 1080p@25/30 fps; 720p@25/30	Field of View	3.6 mm: D: 100°; H: 84°; V: 45°	Camera Dimensions	φ121.9 mm × 99.1 mm (φ4.8" × 3.9")
Close Focus Distance   2.8 mm: 0.5 ml (101) 6 mm: 2 m (6.6 ft)     DoRI Distance   2.8 mm: 0.38.6 m (126.6 ft); 0: 15.4 m (50.5 ft); R; 7.7 m (25.3 ft); 1: 3 9 m (12.8 ft) 3.6 mm: 0.49.7 m (163.1 ft); 0: 19.9 m (65.3 ft); R: 9.9 m (3.5 ft); 1: 5 m (16.4 ft) 6 mm: 0.28 m (27.1 ft); 0: 33.1 m (108.6 ft); R: 16.6 m (54.5 ft); 1: 8 m (27.2 ft)     Video     Frame Rate   CVI: 1080/p025/30 fps; 720/p025/30 fps	Iris Type	Fixed iris	Net Weight	0.42 Kg (0.9 lb)
DORI Distance36 mm: 0:23 ft); 1:39 m (12.8 ft) 36 mm: 0:49.7 m (163.1 ft); 0:19.9 m (65.3 ft); R:9.9 m (32.5 ft); 1:5 m (16.4 ft) Si field mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:82.8 m (271.7 ft); 0:33.1 m (108.6 ft); R: 16 mm: 0:80.8 m; 0:70.9 ft; 0:70.9 f	Close Focus Distance	3.6 mm: 0.8 m (2.6 ft)	Gross Weight	0.62 Kg (1.4 lb)
Frame RateCVI: 1080p@25/30 fps; 20p@25/30 fps; 20p@25/30 fps; VI: 20p@25/30 fps; VI: 20p@25/30 fps; CVBS: 960HResolution880p(1320×1080); 720p (1280×720); 960H (960× CVBS: 960HDay/NightAuto switch by ICRBLCBLC/DWDR/HLC	DORI Distance	(25.3 ft); I: 3.9 m (12.8 ft) 3.6 mm: D: 49.7 m (163.1 ft); O: 19.9 m (65.3 ft); R: 9.9 m (32.5 ft); I: 5 m (16.4 ft) 6 mm: D: 82.8 m (271.7 ft); O: 33.1 m (108.6 ft); R:		
Frame RateD80p@25/30 fps; 720p@25/30	Video			
Resolution 576/960 × 480)   Day/Night Auto switch by ICR   BLC BLC/DWDR/HLC	Frame Rate	1080p@25/30 fps; 720p@25/30 fps; AHD: 1080p@25/30 fps; 720p@25/30 fps; TVI: 1080p@25/30 fps; 720p@25/30 fps;		
BLC/DWDR/HLC	Resolution			
	Day/Night	Auto switch by ICR		
White Balance Auto/Area WB	BLC	BLC/DWDR/HLC		
	White Balance	Auto/Area WB		

# POC series | DH-HAC-HDW1200TMQ-A-POC

## **Ordering Information**

Туре	Model	Description
2MP Camera	DH-HAC-HDW1200TMQP- A-POC	2MP HDCVI POC Fixed IR Quick-to- install Eyeball Camera, PAL
	DH-HAC-HDW1200TMQN- A-POC	2MP HDCVI POC Fixed IR Quick-to- install Eyeball Camera, NTSC
Accessories (Optional)	PFA130-E	Water-proof Junction Box
	PFB205W	Wall Mount Bracket
	PFA152-E	Pole Mount Bracket
	PFB220C	Ceiling Mount Bracket of Mini Dome & Eyeball Camera
	PFA109	Mount Adapter
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

# Dimensions (mm[inch])



## Accessories

Optional:



PFA130-E Water-proof Junction Box



PFB220C Ceiling Mount Bracket of Mini Dome & Eyeball Camera



PFB205W Wall Mount Bracket



PFA109 Mount Adapter



PFA152-E Pole Mount Bracket



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

