

DH-HAC-T2A41

4MP HDCVI Fixed IR Eyeball Camera

HDCVI



- · Max. 30fps@4MP
- · HD and SD output switchable
- · 3.6mm fixed lens (2.8mm,6mm optional)
- · Max. IR length 20m, Smart IR
- · IP67, DC12V













System Overview

Experience 4MP video and the simplicity of using existing cabling infrastructure with HDCVI. The Cooper series 4MP 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 700m for 4MP 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 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.

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 XVRs 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

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 $^{\circ}$ C to +60 $^{\circ}$ C (-40 $^{\circ}$ F to +140 $^{\circ}$ 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 lightning.

Camera	'								
More More	Technical Specification							OSD Menu	Multi-language
Effective Pixels 2560(ii)-1440(iv), 4MP Sain Control AGC								BLC Mode	BLC / HLC / DWDR
Noise Reduction 2D	Image Sensor		1/2.7" CMOS					WDR	DWDR
Pair 1/25-1/1000005 NTSC: 1/30-1/1000005 NTSC: 1/30-1/10000005 NTSC: 1/30-1/1000005 NTSC: 1/30-1/1000000005 NTSC: 1/30-1/10000005 NTSC: 1/30-1/1000005 NTSC: 1/30-1/10000005 NTSC: 1/30-1/1000005 NTSC: 1/30-1/10000005 NTSC: 1/30-1/10000005 NTSC: 1/30-1/10000005 NTSC: 1/30-1/100000000000000000000000000000000	Effective Pixels		2560(H)×1440(V), 4MP					Gain Control	AGC
Minimum illumination	Scanning System		Progressive					Noise Reduction	2D
Minimum Illumination More than 65dB Certifications S/N Ratio	Electronic Shutter Speed							White Balance	Auto / Manual
Certifications	Minimum Illum	ination						Smart IR	Auto / Manual
R Distance		illiation						Certifications	
R On/Off Control Auto / Manual	·								CE (EN55032 EN55024 EN50130-4 EN60950
Interface									UL (UL60950-1+CAN/CSA C22.2 No.60950-1
Lens Type		101	Auto / Ivialiuai					Interface	
Mount Type Board-in Eelectrical			Fixed lens / Fixed iris					Audio Interface	N/A
Focal Length 3.6mm (2.8mm,6mm Optional) Power Supply 12V DC ±30%									
2.8mm:125* x105* x56* (diagonal x horizontal x vertical) 3.6mm: 107* x 89* x 48* (diagonal x horizontal x vertical) 6mm: 61* x 54* x 31* (diagonal x horizontal x vertical) 6mm: 61* x 54* x 31* (diagonal x horizontal x vertical) 6mm: 61* x 54* x 31* (diagonal x horizontal x vertical) 7									12V DC ±30%
Angle of View	-		F2.0					Power Consumption	Max. 3.7W (12V DC, IR on)
Angle of View 3.6mm: 107* x 89* x 48* (diagonal x horizontal x vertical) 6mm: 61* x 54* x 31* (diagonal x horizontal x vertical) 7			vertical) 3.6mm: 107° x 89° x 48° (diagonal x horizontal x vertical) 6mm: 61° x 54° x 31° (diagonal x horizontal x					Environmental	
Storage Conditions -40°C ~ +60°C (-40°F ~ +140°F) / Less than 95								Operating Conditions	
2.8mm:0.7m(2.3 ft) 3.6mm:1.1 m (3.6 ft) 6mm: 2.7 m (8.9 ft)								Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95
Close Focus Distance 2.8mm:0.7m(2.3 ft) 3.6mm:1.1 m (3.6 ft) 6mm: 2.7 m (8.9 ft)	Focus Control		N/A						IP67
Lens	Close Focus Distance		3.6mm:1.1 m (3.6 ft)						
DORI distance 2.8mm 49.8 m (163.0 ft)	DORI distance							Casing	Aluminium
DORI distance 2.8mm		Lens						Dimensions	ф94mm × 78 mm (ф3.7" × 3.07")
3.6mm		2.8mm						Net Weight	0.27kg (0.60lb)
Pan / Tilt / Rotation Pan: 0° ~ 360° Tilt: 0° ~ 78° Rotation: 0° ~ 360°		3.6mm						Gross Weight	0.34kg (0.75lb)
Pan / Tilt / Rotation Pan: $0^{\circ} \sim 360^{\circ}$ Tilt: $0^{\circ} \sim 78^{\circ}$ Rotation: $0^{\circ} \sim 360^{\circ}$		6mm							
Pan/Tilt/Rotation Tilt: 0° ~ 78° Rotation: 0° ~ 360°	Pan / Tilt / F	Rotation							
	Pan/Tilt/Rotation		Tilt: 0° ~ 78°						
	Video								

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

1-channel BNC high definition video output / CVBS

× 576/960 × 480)

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

video output (Can switch)

Auto (ICR) / Manual

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

TVI:

CVBS: 960H;

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

Resolution

Frame Rate

Video Output

Day/Night

Cooper Series | DH-HAC-T2A41

Ordering Information								
Туре	Part Number	Description						
	DH-HAC-T2A41P 2.8mm							
	DH-HAC-T2A41P 3.6 mm	4MP HDCVI Fixed IR Eyeball Camera, PAL						
4MP Camera	DH-HAC-T2A41P 6 mm							
4IVIP Calliela	DH-HAC-T2A41N 2.8mm							
	DH-HAC-T2A41N 3.6 mm	4MP HDCVI Fixed IR Eyeball Camera, NTSC						
	DH-HAC-T2A41N 6 mm							
	PFA13A-E	Water-proof Junction Box						
	PFA152-E	Pole Mount Bracket						
	PFB204W	Water-proof Wall Mount Bracket						
Accessories	PFM820(Only 1080P and below are available)	UTC controller						
	PFM321	12V 1A Power Adapter						
	PFM904	Integrated Mount Tester						

Junction Mount	Pole Mount
PFB13A-E	PFB204W+PFA152-E
Wall Mount	
PFB204W	

Dimensions (mm/inch)

Accessories

Optional:



PFA13A-E Junction box



PFB204W Wall mount



PFA152-E Pole Mount Bracket



PFM820 (Only 1080P and below are available) UTC controller



PFM321 12V 1A Power Adapter



PFM904 Integrated Mount Tester





