

# DH-HAC-HUM3200A

## 2MP IR HDCVI Fixed-focal Cube Camera



\* The parameters and datasheets below can only be applied to 3200-S5 series.

- Max 30 fps@1080p.
- 10 m illumination distance (940nm IR No IR Exposure).
- Super Adapt.
- 2.8 mm fixed lens.
- CVI/CVBS/AHD/TVI switchable.
- 12 VDC.



### System Overview

The Micro-size Series packs high performance into a small size. It provides a variety of solutions for scenarios that require small-sized cameras, and boasts a large angle of view. These cameras are convenient to carry and produce high quality images.

### Functions

#### Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

#### Smart IR Illumination

With its IR illumination, the camera provides optimal performance in low light conditions, ensuring uniformity in the brightness of B/W images. Through its smart IR technology, the camera also compensates for the distance of targets by adjusting the intensity of its IR LEDs, preventing overexposure of images as targets move closer to the camera.

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio\*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

\* Audio input is available for select HDCVI camera models.

### Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

### Multi-language OSD

The OSD offers multiple functions to meet the many requirements of a monitoring scene, such as backlight mode, day/night mode, white balance, privacy mask, and motion detection. 11 languages are available for OSD: Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

### Technical Specification

#### Camera

Image Sensor	2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s
Min. Illumination	0.01 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>65 dB
Illumination Distance	10 m (32.81 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

#### Lens

Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	2.8 mm				
Max. Aperture	F2.0				
Field of View	H: 105°; V: 58°; D: 118°				
Iris Control	Fixed				
Close Focus Distance	0.5 m (1.64 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	42.1 m (138.12 ft)	16.8 m (55.12 ft)	8.4 m (27.56 ft)	4.2 m (13.78 ft)
ABF	Yes				

#### Video

Video Frame Rate	CVI: 1080p@25 fps; NTSC: 1080p@30 fps AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps CVBS: PAL: 960H; NTSC: 960H
Resolution	1080p (1920 × 1080)
Day/Night	Color/B/W
BLC	BLC; DWDR; HLC
WDR	DWDR
White Balance	Auto; Area white balance
Gain Control	Auto/Manual
Noise Reduction	2D NR
Illumination Mode	Smart IR
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

#### Certification

Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B;
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#### Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
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#### Power

Power Supply	12 VDC ± 30%
Power Consumption	Max 3.3 W (12 VDC, IR on)

#### Environment

Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Operating Humidity	<95% (RH), non-condensing
Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Storage Humidity	<95% (RH), non-condensing

#### Structure

Casing Material	Plastic
Product Dimensions	61.7 mm × 58.1 mm × 119.7 mm (2.43" × 2.29" × 4.71")
Net Weight	0.12 kg (0.26 lb)
Gross Weight	0.19 kg (0.42 lb)
Installation	Wall Mount

### Ordering Information

Type	Part Number	Description
2M Camera	DH-HAC-HUM3200AP	2MP IR HDCVI Fixed-focal Cube Camera, PAL
	DH-HAC-HUM3200AN	2MP IR HDCVI Fixed-focal Cube Camera, NTSC
Accessories	PFM800-E	1 Channel Passive HDCVI Balun
	PFM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

### Accessories



PFM800-E  
1 Channel Passive  
HDCVI Balun

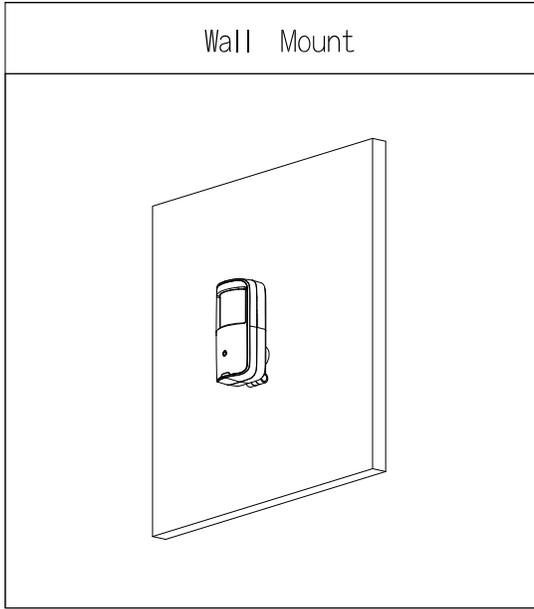


PFM321D  
12V 1A Power  
Adapter



PFM904  
Integrated Mount  
Tester

Installation



Dimensions (mm[inch])

