

DH-HAC-HUM3200A

2MP IR HDCVI Fixed-focal Cube Camera



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.

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

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

 \cdot 12 VDC.



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.

Micro-size Series | DH-HAC-HUM3200A

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°	

Fixed

0.5 m (1.64 ft)

Observe

16.8 m

(55.12 ft)

Recognize

8.4 m (27.56 ft) Identify

4.2 m (13.78 ft)

Detect

42.1 m

(138.12 ft)

Yes

Certification	
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B;
Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
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				
Туре	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	РҒМ800-Е	1 Channel Passive HDCVI Balun		
	PFM321D	12V 1A Power Adapter		
	PFM904	Integrated Mount Tester		

Accessories



1 Channel Passive

HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester

S
-

Video

DORI

ABF

Distance

Iris Control

Close Focus Distance

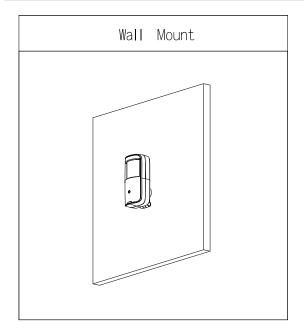
Lens

2.8 mm

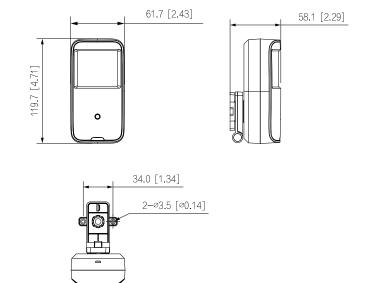
1.0.00	
Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps CVBS: PAL: 960H; NTSC: 960H
Resolution	1080p (1920 × 1080)
Day/Night	Color/B/W
BLC	BLC; DWDR; HLC
WDR	DWDR
White Balance	Auto; Area white balance
Gain Control	Auto/Manual
Noise Reduction	2D NR
Illumination Mode	Smart IR
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

Micro-size Series | DH-HAC-HUM3200A

Installation



Dimensions (mm[inch])



Rev 002.000 © 2022 Dahua. All rights reserved. Design and specifications are subject to change without notice. The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.