

DH-HAC-HDW1549X-A-PRO

5MP WizColor HDCVI Fixed-focal Eyeball Camera



Series Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Functions

WizColor Technology

Dahua WizColor Technology seamlessly combines with the powerful AI-ISP and large aperture in cameras. This unique integration enables cameras to effortlessly capture high-quality images with vibrant colors during nighttime scenarios, ensuring fine details are preserved and minimizing motion blur. Unlike traditional self-illuminating cameras, Dahua WizColor Technology maximizes the utilization of weak light sources, such as moonlight and city lights reflected in the sky, delivering captivating full-color images of the entire scene. It also ensures that monitoring distances are not compromised at night due to limited illumination ranges, facilitating full-color image capture even over long distances.

AI-ISP

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

Full-color

With its advanced image processing algorithm and capability to absorb large quantities of light, the camera provides 24/7 color monitoring that collects clear and highly detailed information, significantly increasing the reliability of the human and vehicle images that are collected as evidence for intelligent analysis.

- * The parameters and datasheets below can only be applied to 1549 series.
- * In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to
- · V4.001.0000001.0.R.200908 or later version.
- · 24/7 color imaging, Max. 25 fps@5MP (16:9 video output)
- ΔI-ISP
- · Distortion Correction.
- · Smart Light+.
- · 50 m illumination distance
- · Super Adapt, 130 dB true WDR, 3D NR
- · Built-in Dual Mic
- · Quick-to-install eyeball saves installation time.
- · 3.6 mm fixed lens (2.8 mm optional)
- · CVI/CVBS/AHD/TVI switchable
- · IP67, 12 VDC















Distortion Correction

With advanced distortion correction algorithm, Dahua Distortion Correction corrects the image distortion in both horizontal and vertical directions to be consistent with the actual situation.

Smart Light+

Equipped with advanced LEDs and beam processing technology, the camera effectively reduces interference of stray light, ensuring concentrated illumination within the lens's field of view. This allows the camera to easily produce clear images that reveal the fine details of targets even in low light conditions.

Built-in Dual Mic

Equipped with Dual Mic audio processing technology combined with intelligent noise reduction algorithms, HDCVI cameras effectively suppress environmental background noise and enhance audio clarity and pickup distance, ensuring the authenticity and reliability of the captured audio information. This technology protects the integrity of audio evidence in video surveillance, making it particularly suitable for scenes that require both audio and videos for verification.

NTSC: 5M@20 fps

5M (2880 × 1620); 4M (2560 × 1440); 960H (960 ×

576/960 × 480); TVI 5M 16:9 (2960 × 1665)

CVBS: PAL: 960H NTSC: 960H

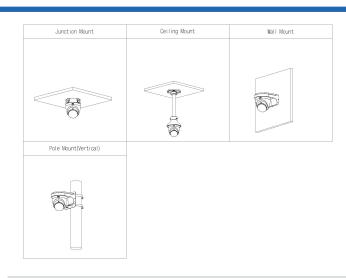
Resolution

Commons		ı									
Mine Sealor Set Min Color Sealor Seal	Technical Specification					Day/Night	Color				
Mails Mai	Camera							WDR	130 dB		
Southing System Progress	Image Sensor		5 MP CMOS					White Balance	Auto		
	Max. Resolution		2880 (H) × 1620 (V)					Gain Control	Auto		
	Scanning System		Progressive					Noise Reduction	3D NR		
Min. Illumination Co. 20.0001 Langer L. Colong Join Exposition Colong Join Colong	Electronic Shutter Speed							Motion Detection	Yes (It needs to be controlled through the XVR)		
Min.								Illumination Mode	Smart Light		
Settification Setting	Min. Illuminat	ion						Mirror	Yes (It needs to be controlled through the XVR)		
Station	S/N Ratio		>65 dB					Privacy Masking	Yes (It needs to be controlled through the XVR)		
	Illumination D	istance	Warm light: 50 m (164.04 ft)					Certification			
Audio Angle Adjustment Pano***			Auto/Manual					Certifications			
Multin Mic Yes, builtin dual Mic Yes, builtin d	Illuminator Nu	ımber	4 (Warm light)					Audio	dio		
Lens Type	Angle Adjustm	nent						Built-in Mic	Yes, built-in dual Mic		
Lens Type Fixed Fried Frie			Rotation: 0°-360°					Camera Audio	CVI		
Port	Lens							Pick-up Distance	12 m (39.37 ft)		
Video Output Vid	Lens Type		Fixed-focal					Port			
Power Powe								Video Output		VI/TVI/AHD/CVBS by one BNC	
Field of View 2.8 mm; H: 109.6°; V: 57.5°; D: 131° 3.6 mm; H: 38.2°; V: 47.6°; D: 104.5° Power Supply 12 VDC (±30%) Iris Control Fixed Environment Close Focus Distance 2.8 mm; 2.0 m (6.56 ft) 3.6 mm; 3.0 m (9.84 ft) Environment Close Focus Distance 2.8 mm (2.0 m (6.56 ft) 3.6 mm; 3.0 m (9.84 ft) Dorating Temperature -40 °C to +60 °C (-40 °F to +140 °F) Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F) Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F) Storage Temperature -40 °C to +60 °C (-40 °F to +140 °F) Storage Humidity -95% (RH), non-condensing Storage Humidity -95% (RH), non-condensing The product Distance of the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, For intelligent function distances, For intelligent function and commissioning manual/project design tool. Video Video Video Frame Rate CVI: PAL: SM@25 fps; 5M@12.5 fps; M@12.5 fps; M								, , , ,			
Field of View 3.6 mm; H: 88.2*; V: 47.6*; D: 104.5* Power Consumption Max 5.8 W (12 VDC, LED on)	Max. Aperture	2							12 VDC (±30%)		
Iris Control Fixed 2.8 mm; 2.0 m (6.56 ft) 3.6 mm; 3.0 m (9.84 ft) Close Focus Distance Lens Detect Detect Detect Descript 1.2 m 13.2 m 6.6 m (216.65 ft) (43.31 ft) (21.65 ft) 2.8 mm DORI DORI DISTANCE PORI (Detect, Observe, Recognize, Identify) (55.9 ft) (102.36 ft) (51.18 ft) (25.59 ft) DORI Distance *DORI (EN-6276-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, For intelligent function distances, refer to installation and commission manual/project design tool. Video Frame Rate Video Frame Rate Video Frame Rate Piexed Descript (1.6.5 ft) (9.84 ft) Protection Protection Protection Protection Protection Protection Protection Protection Product Dimensions Dome (metal + plastic) + plastic enclosure Casing Material Dome (metal + plastic) + plastic enclosure Product Dimensions Display mm × 102.2 mm (04.33" × 4.02") Net Weight Descript (1.6.5 ft) Ordering Information Ordering Information Product Dimensions Display (1.6.5 ft) Descript (1.6.5 ft)	Field of View										
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2.8 mm (216.65 ft) (86.61 ft) (43.31 ft) (21.65 ft) DORI DORI DISTANCE *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. Video Video Video Frame Rate (216.65 ft) (86.61 ft) (43.31 ft) (21.65 ft) (21.65 ft) (21.65 ft) Storage Humidity < 95% (RH), non-condensing			66.0 m	26.4 m	13.2 m	6.6 m		Storage Temperature	-40 °C to +60 °C (-40 °F to	o +140 °F)	
DORI Distance *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function and commissioning manual/project design tool. Video Video Video Frame Rate *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances, refer to installation and commissioning manual/project design tool. Video Video *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. Casing Material Dome (metal + plastic) + plastic enclosure Product Dimensions Ф109.9 mm × 102.2 mm (Ф4.33" × 4.02") Net Weight 0.33 kg (0.73 lb) Gross Weight 0.45 kg (0.99 lb) Installation Wall mount; ceiling mount; vertical pole mount Video Frame Rate Video Frame Rate Ordering Information								Storage Humidity	<95% (RH), non-condensi	ng	
Distance *DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. Video CVI: PAL: 5M@25 fps; 5M@12.5 fps; NTSC: 5M@25 fps; 5M@10 fps; AHD: PAL: 4M@20 fps NTSC: 4M@30 fps TVI: PAL: 5M@30 fps TVI	DOPL	3.6 mm						Protection	IP67		
(EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. Video CVI:		*DORI (Detec						Anti-corrosion Level	Basic Protection		
The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool. Product Dimensions Product Dimensions Product Dimensions Net Weight 0.33 kg (0.73 lb) CVI: PAL: 5M@25 fps; 5M@12.5 fps; NTSC: 5M@25 fps; 5M@10 fps; AHD: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 5M@20 fps		(EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation						Structure			
and commissioning manual/project design tool. Video Video CVI: PAL: 5M@25 fps; 5M@12.5 fps; AHD: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 5M@20 fps								Casing Material	Dome (metal + plastic) + plastic enclosure		
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CVI: PAL: 5M@25 fps; 5M@12.5 fps; NTSC: 5M@25 fps; 5M@10 fps; AHD: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 5M@20 fps			0 11 1 0 1-11					Net Weight	0.33 kg (0.73 lb)		
PAL: 5M@25 fps; 5M@12.5 fps; NTSC: 5M@25 fps; 5M@10 fps; AHD: PAL: 4M@25 fps NTSC: 4M@30 fps TVI: PAL: 5M@20 fps Ordering Information Wall mount; ceiling mount; vertical pole mount Wall mount; ceiling mount; vertical pole mount Ordering Information			CVI:					Gross Weight	0.45 kg (0.99 lb)		
AHD: PAL: 4M@25 fps Video Frame Rate NTSC: 4M@30 fps TVI: PAL: 5M@20 fps TVI: PAL: 5M@20 fps			PAL: 5M@25					Installation	Wall mount; ceiling mount; vertical pole mount		
Video Frame Rate NTSC: 4M@30 fps TVI: PAL: 5M@20 fps											
PAL-SM@20 for	Video Framo F	Rate						Ordering Information			
	video Frame Nate							Type	Model	Description	

Ordering Information							
Туре	Model	Description					
HDCVI CAMERA	DH-HAC-HDW1549XN-A- PRO	5MP WizColor HDCVI Fixed- focal Eyeball Camera,NTSC					
TIDEVI CAIVIENA	DH-HAC-HDW1549XP-A- PRO	5MP WizColor HDCVI Fixed- focal Eyeball Camera,PAL					

Lite Series | DH-HAC-HDW1549X-A-PRO

Туре	Model	Description	
	DH-PFA109	Mount Adapter	
	DH-PFB220C	Ceiling Mount Bracket	
	DH-PFB305W	Wall Mount Bracket	
	DH-PFA151	Corner Mount Bracket	
	DH-PFA150	Pole Mount Bracket	
	DH-PFB2203W	Wall Mount Bracket	
Accessories (Optional)	DH-PFA156	Pole Mount Bracket	
	DH-PFA13G	Junction Box	
	DH-PFM800-4K	1 Channel Passive HDCVI Balun	
	DH-PFM321-EN	DC12V1A power adapter	
	DH-PFM320D-EN	DC12V2A power adapter	
	PFM904	Integrated Mount Tester	



Dimensions (mm[inch])

mm [inch]

Accessories

Optional:



DH-PFA109 Mount Adapter



DH-PFA13G Junction Box



DH-PFA150 Pole Mount Bracket



DH-PFA151 Corner Mount Bracket



DH-PFA156 Pole Mount Bracket



DH-PFB2203W Wall Mount Bracket



DH-PFB220C Ceiling Mount Bracket



DH-PFB305W Wall Mount Bracket



DH-PFM320D-EN
DC12V2A power adapter



DH-PFM321-EN DC12V1A power adapter



DH-PFM800-4K 1 Channel Passive HDCVI Balun



PFM904 Integrated Mount Tester

