

DH-SD59232DB-HC

2MP 32x Starlight IR HDCVI PTZ Camera



System Overview

With its powerful optical zoom, and accurate pan and tilt capabilities, the HDCVI PTZ camera series provides an all-in-one solution for large-scale monitoring. It harnesses the latest starlight technology, allowing it to produce highly detailed images even in low light conditions. These cameras offer smooth control and high-grade protection that enable them to meet the requirements of video surveillance in small and medium-sized scenes.

Functions

Starlight Technology

With advanced image processing technology and optical technology, Dahua Starlight technology can provide clear colorful video in the environment of low illuminance. It widely applies to various environments of low illuminance.

Wide Dynamic Range

The camera produces vivid images, even in high-contrast lighting conditions, by using industry-leading wide dynamic range (WDR) technology. For scenes that quickly alternate between bright and low lighting, WDR adjusts to fully capture both the bright and dark areas of a scene, producing superior quality videos.

PFA Technology

PFA technology has introduced new methods of judgment that ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms that ensure image clarity when zooming and that shorten focus time. This makes the camera highly advanced in its functions, substantially improving the quality of your experience.

- · 1/2.8" 2Megapixel STARVIS™ CMOS.
- · Powerful 32x optical zoom.
- · Starlight technology.
- · 120 dB true WDR, 3D NR.
- · Max. 25/30 fps@1080p, 25/30/50/60 fps@720p.
- · IR distance up to 150 m.
- · IP66.











Protection (IP66, TVS 6000 V)

IP66, TVS 6000 V lightning proof, surge protection, and voltage transient protection.

3DNR

Dahua's 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 300m for 2MP HD videos through coaxial cables, and up to 200m through UTP cables.

3 Signals over 1 Coaxial Cable

HDCVI technology supports 3 signals (video, audio* and data) 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.

 $[\]hbox{* The results were obtained and verified through rigorous testing in Dahua's test laboratory.}$

^{*} Audio input is available for select HDCVI camera models.

Technical Specification		Day/Night	Yes	
Camera		BLC	Yes	
Image Sensor	1/2.8" CMOS	WDR	120 dB	
Pixel	2 MP	HLC	Yes	
Max. Resolution	1920 (H) × 1080 (V)	White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp	
ROM	128 MB	Gain Control	Auto; manual	
RAM	256 MB	Noise Reduction	2D NR; 3D NR	
Electronic Shutter Speed	1/3 s-1/30,000 s	Defog	Electronic	
Scanning System	Progressive	Digital Zoom	16x	
Min. Illumination	0.005 lux@F1.6 (Color, 30 IRE); 0.0005 lux@F1.6 (B/W, 30 IRE) 0 lux (illuminator)	Image Rotation	180°	
Illumination Distance	150 m (492.13 ft) (IR)	Privacy Masking	Yes	
Illuminator On/Off Control	Zoom Prio; manual	S/N Ratio	≥ 50 dB	
Illuminator Number	4 (IR)	Function		
Lens	, ,	CVI Product Output Mode	TVI; CVI; CVBS; AHD (CVBS is only used for debugging)	
Focal Length	4.5 mm-144 mm	Certification		
Max. Aperture	F1.6-F4.0	Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpart B, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1	
Field of View	H: 59.6°-2.8°; V: 34.1°-1.6°; D: 67.9°-3.3°	OL: 0160950-1+CAN/CSA C22.2, NO.60950-1 Port		
Optical Zoom	32x	Analog Output	1 channel (CVBS/CVI output, BNC)	
Focus Control	Auto; semi-auto; manual	RS-485	1 (baud rate range: 1200 bps–9600 bps)	
Close Focus Distance	0.1 m-1.5 m (0.33 ft-4.92 ft)	Audio Input	1 channel (LINE IN, bare wire)	
Iris Control	Auto; manual	Alarm Input	2 (on-off value input: 0–5 VDC)	
DODI Distance	Detect Observe Recognize Identify	Alarm Output	1	
DORI Distance	1986.2 m 784.6 m 397.2 m 198.6 m (6516.43 ft) (2573.99 ft) (1303.29 ft) (651.64 ft)	Alarm Linkage	Scan; preset; tour; pattern; alarm digital output	
PTZ		Alarm Event	Alarm input	
Pan/Tilt Range	Pan: 0° to 360° endless; Tilt: –15° to +90°, auto flip 180°	Power		
Manual Control Speed	Pan: 0.1°–300°/s;	Power Supply	24 VDC, 2.5 A ± 25%	
Preset Speed	Tilt: 0.1°–200°/s Pan: 0.1°–400°/s;	Power Consumption	Basic: 10 W Max: 21 W (PTZ + illuminator)	
Preset	Tilt: 0.1°–300°/s Environment			
Tour	8 (up to 32 presets per tour)	Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)	
Pattern	5	Operating Humidity	≤ 95%	
Scan	5	Protection	TVS 6000 V lightning proof; IP66; surge protection;	
Power-off Memory	Yes	Structure	voltage transient protection	
Idle Motion	Pattern; Preset; Scan; Tour	Product Dimensions	310.0 mm × Φ185.7 mm (12.20" × Φ7.31")	
PTZ Protocol	DH-SD	Net Weight	3.9 kg (8.60 lb)	
Video	Pelco-P/D (Auto recognition)	Gross Weight	7.2 kg (15.87 lb)	
	1080p (1920 × 1080); 720p (1280 × 720); D1 (704 ×	O1033 WEIBIIL	1.7 VB (17.01 In)	
Resolution	576/704 × 480)			
Video Frame Rate	1080p (25/30 fps); 720p (25/30/50/60 fps)			

Ordering Information				
Туре	Model	Description		
2MP HDCVI Camera	DH-SD59232DB-HC	2MP 32x Starlight IR PTZ HDCVI Camera, PAL		
	DH-SD59232DBN-HC	2MP 32x Starlight IR PTZ HDCVI Camera, NTSC		
	SD59232DB-HC	2MP 32x Starlight IR PTZ HDCVI Camera, PAL		
	SD59232DBN-HC	2MP 32x Starlight IR PTZ HDCVI Camera, NTSC		
Accessories	DC24V/2.5A	Power Adapter		
	PFA110	Mount Adapter		
	PFB300S	Wall Mount Bracket		
	PFA120	Junction Box		
	PFB300C	Ceiling Mount Bracket		
	PFB301C	Ceiling Mount Bracket		
	PFA150	Pole Mount Bracket		
	PFA151	Corner Mount Bracket		
	PFA111	Mount Adapter		
	PFB303S	Parapet Mount Bracket		
	PFB301S-E	Plane Mount Bracket		

Wall Mount	Ceiling Mount 1	Ceiling Mount 2
PFA110+PFB300S+PFA120	PFA110+PFB300C	PFA110+PFB301C
Pole Mount (Vertical)	Pole Mount (Horizontal)	Corner Mount
PFA110+PFB300S+PFA150	PFA110+PFB300C+PFA150	PFA110+PFB300S+PFA151
Plane Mount	Parapet Mount	
PFB301S-E	PFA111+PFB303\$	

Accessories

Included:



DC24V/2.5A Power Adapter



PFA110 Mount Adapter



PFB300S Wall Mount Bracket

Optional:



PFA120



Junction Box



Pole Mount Bracket



PFB300C Ceiling Mount Bracket



PFA151 Corner Mount Bracket



PFB301C Ceiling Mount Bracket



PFA111 Mount Adapter

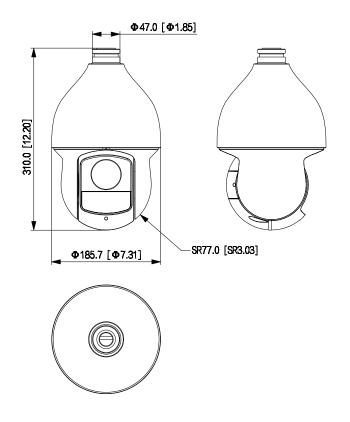


PFB303S Parapet Mount Bracket





Dimensions (mm[inch])



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