

DH-SD6C3225DB-HC

2MP 25x 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.

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

 * The results were obtained and verified through rigorous testing in Dahua's test laboratory.

- 1/2.8" 2Megapixel STARVIS™ CMOS.
- · Powerful 25× 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 200 m.
- · IP66.











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.

* Audio input is available for select HDCVI camera models.

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.

Protection (IP66, TVS 6000 V)

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

Pare	Technical Specification		Video Frame Rate	1080p (25/30 fps); 720p (25/30/50/60 fps)
Puel	Camera		Day/Night	Yes
Max. Resolution Max. Resolution 120 (0) + 1040 (7) 120 (10 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 + 1040 (7) 120 (10 (Image Sensor	1/2.8" CMOS	BLC	Yes
No.	Pixel	2 MP	WDR	120 dB
RAM	Max. Resolution	1920 (H) × 1080 (V)	HLC	Yes
Red	ROM	128 MB	White Balance	
Mose Reduction	RAM	256 MB	Gain Control	
Delog Becomic Delog Becomic Delog Becomic Delog Becomic Delog Del	Electronic Shutter Speed	1/3 s-1/30,000 s	Noise Reduction	2D NR; 3D NR
Min. Illumination	Scanning System	Progressive	Defog	Electronic
Illumination Distance 200m (1956.17 it) (18) Illumination On/Off Control 200m Prior	Min. Illumination	0.0005 lux@F1.6 (B/W, 30 IRE)	Digital Zoom	16×
	Illumination Distance		Image Rotation	180°
SyN Ratio 250.48	Illuminator On/Off Control	Zoom Prio; manual	Privacy Masking	Yes
Function			S/N Ratio	≥50 dB
CVP Product Output Mode TVJ,CVIS,CAND (CVRS.SAMD (CVRS.Samly used for debugging)			Function	
File of View		4.8 mm-120 mm	CVI Product Output Mode	TVI;CVI;CVBS;AHD (CVBS is only used for debugging)
Pelec of View Certifications Cert	Max. Aperture	F1.6-F3.5	Certification	
Focus Control Auto; semi-auto; manual Analog Output 1 channel (CVBS/CVI output, BNC)	Field of View	V: 34.1°–1.8°;	Certifications	FCC: Part15 subpart B, ANSI C63.4-2014
RS-485 1 (baud rate range: 1200 bps-9600 bps)	Optical Zoom	25×	Port	
Part	Focus Control	Auto; semi-auto; manual	Analog Output	1 channel (CVBS/CVI output, BNC)
Detect	Close Focus Distance	0.1 m-2 m (0.33 ft-6.56 ft)	RS-485	1 (baud rate range: 1200 bps–9600 bps)
DORI Distance	Iris Control	Auto; manual	Audio Input	1 channel (LINE IN, bare wire)
Alarm Output 1 1 1 1 1 1 1 1 1	0001011	Detect Observe Recognize Identify	Alarm Input	2 (on-off value input: 0–5 VDC)
Pan / Tilt Range Pan: 0* to 360* endless; Tilt: −20* to +90*, auto flip 180* Alarm Event Alarm input Manual Control Speed Pan: 0.1*/s −240*/s; Tilt: 0.1*/s −120*/s Power Power Supply 24 VDC, 2.5 A ± 25% Preset Speed Pan: 240*/s; Tilt: 120*/s Power Consumption Basic: 9.5 W (PTZ + illuminator) Preset 300 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 IP66; TVS 6000V lightning proof; surge protection; voltage transient protection voltage transient protection Power-off Memory Yes Structure PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	DORI Distance		Alarm Output	1
Pan/Tilt Range Tilt: −20° to +90°, auto flip 180° Power Manual Control Speed Pan: 0.1°/s−240°/s; Tilt: 0.1°/s−120°/s Power Supply 24 VDC, 2.5 A ± 25% Preset Speed Pan: 240°/s; Tilt: 120°/s Power Consumption Basic: 9.5 W Max: 25 W (PTZ + illuminator) Preset 300 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 IP66; TVS 6000V lightning proof; surge protection; voltage transient protection Power-off Memory Yes Structure Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	PTZ		Alarm Linkage	Scan; preset; tour; pattern; alarm digital output
Manual Control Speed Pan: 0.1%-2407/s; Tilt: 0.1%-1207/s Preset Speed Pan: 2407/s; Tilt: 1.20% Power Supply 24 VDC, 2.5 A ± 25% Preset Speed Pan: 2407/s; Tilt: 120% Power Consumption Basic: 9.5 W Max: 25 W (PTZ + illuminator) Preset 300 Environment Tour 8 (up to 32 presets per tour) Operating Temperature -40 °C to +70 °C (-40 °F to +158 °F) Pattern 5 Scan 5 Power-Off Memory Yes Idle Motion Pattern; Preset; Scan; Tour Product Dimensions 325.3 mm × Ф202.0 mm (12.81" × Ф7.95") PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Net Weight 4.6 kg (10.14 lb) Video Pescultion 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 10.85	Pan/Tilt Range		Alarm Event	Alarm input
Manual Control Speed Tilt: 0.1% = 120% Power Supply 24 VDC, 2.5 A ± 25% Preset Speed Pan: 240%; Tilt: 120% Power Consumption Basic: 9.5 W Max: 25 W (PTZ + illuminator) Preset 300 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 IP66; TVS 6000V lightning proof; surge protection; voltage transient protection Power-off Memory Yes Structure Idle Motion Pattern;Preset;Scan;Tour Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	-		Power	
Preset Speed Tilt: 120*/s Power Consumption Basic: 9.5 W Max.: 25 W (PTZ + illuminator) Environment Tour 8 (up to 32 presets per tour) Operating Temperature -40 *C to +70 *C (-40 *F to +158 *F) Operating Humidity 95% Scan Operating Humidity 95% Protection Protection Protection Protection Structure Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") Net Weight Video Passolution Passolution 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 1080); 720p (1280 × 720); D1 (704 × 1080); D1 (704 × 1080); 720p (1280 × 720); D1 (704 × 1080); 720p (1280 × 1080); 720p	Manual Control Speed	Tilt: 0.1°/s–120°/s	Power Supply	24 VDC, 2.5 A ± 25%
Tour 8 (up to 32 presets per tour) Pattern 5 Scan 5 Power-off Memory Yes Idle Motion Pattern; Preset; Scan; Tour PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Pit Scan 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 1080); 720p (1280 ×	Preset Speed		Power Consumption	
Pattern 5 Operating Temperature	Preset	300	Environment	
Scan 5 Protection Protection Protection Protection Protection Structure Idle Motion Pattern;Preset;Scan;Tour Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	Tour	8 (up to 32 presets per tour)	Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Protection Protection Protection voltage transient protection; vol	Pattern	5	Operating Humidity	≤95%
Power-off Memory Yes Structure Idle Motion Pattern;Preset;Scan;Tour Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	Scan	5	Protection	
Idle Motion Pattern;Preset;Scan;Tour Product Dimensions 325.3 mm × Φ202.0 mm (12.81" × Φ7.95") PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	Power-off Memory	Yes	Structure	. Stage a ansient protection
PTZ Protocol DH-SD Pelco-P/D (Auto recognition) Net Weight 4.6 kg (10.14 lb) Video Gross Weight 6.5 kg (14.33 lb)	Idle Motion			325.3 mm × Φ202.0 mm (12.81" × Φ7.95")
Video Gross Weight 6.5 kg (14.33 lb) Resolution 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 ×	PTZ Protocol			
1080p (1920 × 1080); 720p (1280 × 720); D1 (704 ×	Video		-	
	Resolution			

Ordering Information					
Туре	Model	Description			
2MP HDCVI Camera	DH-SD6C3225DB-HC	2MP 25x Starlight IR PTZ HDCVI Camera, PAL			
	DH-SD6C3225DBN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, NTSC			
	SD6C3225DB-HC	2MP 25x Starlight IR PTZ HDCVI Camera, PAL			
	SD6C3225DBN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, NTSC			
Accessories	DC24V/2.5A	Power Adapter			
	PFB305W	Wall Mount Bracket			
	PFA111	Mount Adapter			
	PFA126	Junction Box			
	PFB300C	Ceiling Mount Bracket			
	PFB301C	Ceiling Mount Bracket			
	PFA150	Pole Mount Bracket			
	PFA151	Corner Mount Bracket			
	PFB303S	Parapet Mount Bracket			
	PFB301S-E	Plane Mount Bracket			

Wall Mount	Ceiling Mount	Ceiling Mount
PFB305W+PFA126	PFA111+PFB300C	PFA111+PFB301C
Pole Mount(Vertical)	Corner Mount	Pole Mount(Horizontal)
PFB305W+PFA150	PFB305W+PFA151	PFA111+PFB300C+PFA150
Plane Mount	Parapet Mount	
PFB301S-E	PFA111+PFB303S]

Accessories

Included:



DC24V/2.5A Power Adapter



PFB305W Wall Mount Bracket

Optional:



PFA111 Mount Adapter



PFA126 Junction Box



PFB300C Ceiling Mount Bracket



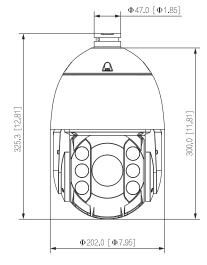
PFB301C Ceiling Mount Bracket



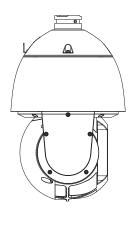
PFA150 Pole Mount Bracket

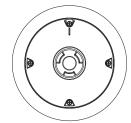


PFA151 Corner Mount Bracket



Dimensions (mm [inch])







PFB303S Parapet Mount



PFB301S-E Plane Mount Bracket

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