



# DH-SD49225-HC-LA

2MP 25x Starlight IR PTZ HDCVI Camera



- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 25x optical zoom
- · Starlight technology
- · 120 dB true WDR. 3D DNR
- · Max. 25/30 fps@1080P, 25/30/50/60 fps@720P
- · IR distance up to 100 m
- · IP66









Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD49 series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 25x optical zoom, and has very excellent low light performance due to the latest starlight technology. SD49 series PTZ camera is equipped with smooth control, high quality image and good protection, which makes it meet small and medium-sized video surveillance applications.

#### **Functions**

#### **Simplicity**

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring network.

### Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 Lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

### **PFA Technology**

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

#### Environmental

The camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

#### Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

#### **Protection**

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

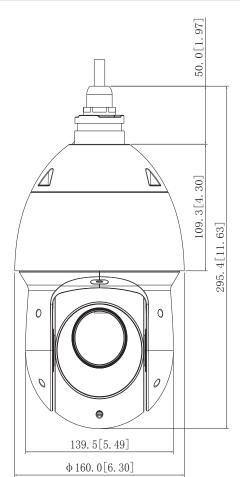
Technical Specification				Video	
Camera				Resolution	1080P (1920 × 1080); 720P (1280 × 720); D1 (704 × 576/704 × 480)
Image Sensor	1/2.8" STARVIS™ CMOS			Frame Rate	1080P (25/30 fps), 720P (25/30/50/60 fps)
Pixel	2MP			Day/Night	Support
Max. Resolution	1920 (H) x 1080 (V)			BLC	Support
ROM	16 MB			WDR	120 dB
RAM	256 MB			HLC	Support
Electronic Shutter Speed	1/3 s-1/100000 s			White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/
Scanning System	Progressive			Gain Control	Natural light/Street lamp  Auto/Manual
Min. Illumination	Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6 0 Lux@F1.6 (IR on)			Noise Reduction	2D/3D
Illumination Distance	100 m (328.08 ft)			Defog	Electronic
Illuminator On/Off Control	Auto/Manual			Digital Zoom	16x
Illuminator Number	6			Flip	0°/180°
Lens				Privacy Masking	Up to 24 areas
Focal Length	4.8 mm-120 mm			CVI Product Output Mode	CVI; TVI; AHD; CVBS
Max. Aperture	F1.6-F3.5			Audio	
wax. Aperture	H: 58.5°–2.8°;			Compression	G.711a; G.711Mu
Field of View	V: 33.2°-1.5°; D: 67.5°-3.2°			Certification	
Optical Zoom	25x			Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1
Focus Control	Auto/Semi-Auto/Manual			Port	
Close Focus Distance	0.1 m-1.5 m (0.33 ft-4.92	2 ft)		Analog Output	1 (CVBS/CVI output, BNC port)
Iris Control	Auto/Manual			RS-485	1 (baud rate range: 1200 bps–9600 bps)
DORI Distance	Detect Observe 1655.2 m 656.8 m	Recognize 331.0 m	Identify 165.5 m	Audio Input	1 (LINE IN; bare wire)
		(1085.96 ft)		Alarm I/O	2/1
PTZ				Power	
Pan/Tilt Range	Pan: 0°-360°Tilt: -15°-+9	0°; auto flip 180	)°	Power Supply	DC 12V/3A ± 10%
Manual Control Speed	Pan: 0.1°–200°/s; Tilt: 0.1°	–120°/s		Power Consumption	9.6 W
Preset Speed	Pan: 240°/s; Tilt: 200°/s			Environment	23.2 W (IR light on, PTZ)
Presets	300			Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Tour	8 (up to 32 presets per to	ur)		Operating Temperature  Operating Humidity	≤95%RH
Pattern	5			Protection	১ ৭০৯%মা  IP66; TVS 6000V lightning protection; surge protection
Scan	5				ir oo, i va oooov iigiitiiiiig protectioii; surge protection
Speed Adjustment	Support			Structure	295 4 mm v (1160 0 mm /1162" v (120")
Power-off Memory	Support			Dimensions  Not Weight	295.4 mm × Φ160.0 mm (11.63" × Φ6.30")
Idle Motion	Preset/Tour/Pattern/Scar	nning		Net Weight	3 kg (6.61 lb)
Protocol	DH-SD Pelco-P/D (auto recogniti	on)		Gross Weight	4.2 kg (9.26 lb)

# HDCVI Series | DH-SD49225-HC-LA

Ordering	Information	
Туре	Model	Description
	DH-SD49225-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
2M Camera	DH-SD49225N-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
Zivi camera	SD49225-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	SD49225N-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
	PFB305W	Wall Mount Bracket
	PFA111	Mount Adapter
	DC12V/3A	Power Supply
	PFA140	Power Box
Accessories	PFB300C	Ceiling Mount Bracket
	PFA120	Junction Box
	PFA150	Pole Mount Bracket
	PFA151	Corner Mount Bracket
	PFB303S	Parapet Mount Bracket

Ceiling Mount	Junction Mount	Power Box Mount
PFA111 + PFB300C	PFB305W + PFA120	PFB305W + PFA140
(J9)	-	Parapet Mount
Pole Mount	Corner Mount	VANOTE SECTION OF THE PARTY OF
Pole Mount PFB305W+PFA150	Corner Mount PF8305W+PFA151	Parapet Mount PFA111+ PFB303S
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# Dimensions (mm[inch])



## **Accessories**

# Included:



PFB305W Wall Mount Bracket

# **Optional:**



PFA111 Mount Adapter



PFB300C Ceiling Mount Bracket



PFA151 Corner Mount Bracket



DC12V/3A Power Supply

PFA140

Power Box

PFA150

Pole Mount Bracket



PFA120 Junction Box





PFB303S Parapet Mount Bracket