

DH-SD49225I-HC

2MP 25x Starlight IR PTZ HDCVI Camera



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



System Overview

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 adopting the latest starlight technology. SD49 series PTZ is equipped with smooth control, high quality image and good protection, which make it can meet small and medium size of 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 a network.

Starlight Technology

Thanks to our experience and expertise in hardware and software development, the camera is equipped with the latest image processing algorithm, high performance hardware and high quality optical components, which make the camera have very excellent low light performance. In most conditions, this camera can deliver clear, bright and low-noise color images.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), 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.

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 Output	1-channel BNC high definition video output/ CVBS standard definition video output (switchable)			
Camera				Day/Night	Auto(ICR) / Color / B/W			
Image Sensor	1/2.8" STARVIS™ CMOS			OSD Menu	Support			
Effective Pixels	1920(H) x 1080(V), 2 Megapixels			Backlight Compensation	BLC / HLC / WDR (120dB)			
Scanning System	Progressive			White Balance	Auto, ATW, Indoor, Outdoor, Manual			
Electronic Shutter Speed	PAL: 1/3s~1/30,000s NTSC: 1/4s~1/30,000s			Gain Control	Auto / Manual			
Minimum Illumination	Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6; 0Lux@F1.6 (IR on)			Noise Reduction	Ultra DNR (2D/3D)			
S/N Ratio	More than 55dB			Digital Zoom	16x			
IR Distance	Distance up to 100m (328ft)			Flip	180°			
IR On/Off Control	Auto/Manual			Privacy Masking	Up to 24 areas			
IR LEDs	6			Certifications				
Lens				Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1			
Focal Length	4.8mm~120mm			Interface				
Max. Aperture	F1.6 ~ F4.4			Video Interface	1			
Angle of View	H: 62.8° ~ 2.6°			Audio Interface	1 channel in			
Optical Zoom	25x			RS485	1			
Focus Control	Auto/Manual			Alarm I/O	2/1			
Close Focus Distance	100mm~ 1000mm			Electrical				
DORI Distance				Power Supply	DC 12V/3A			
*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.				Power Consumption	13W, 22W (IR on, Heater on)			
Detect	Observe	Recognize	Identify	Environmental				
1613m(5259ft)	646m(2119ft)	323m(1060ft)	161m(528ft)	Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH			
PTZ				Ingress Protection	IP66			
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°,auto flip 180°			Vandal Resistance	N/A			
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s			Construction				
Preset Speed	Pan: 240° /s; Tilt: 200° /s			Casing	Metal			
Presets	300			Dimensions	Φ160(mm) x 295(mm)			
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan			Net Weight	3kg(6.61lb)			
Speed Setup	Human-oriented focal Length/ speed adaptation			Gross Weight	4.2kg(9.26lb)			
Power up Action	Auto restore to previous PTZ and lens status after power failure			Video				
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period			Resolution	1080P(1920×1080)/720P(1280×720)			
Protocol	DH-SD, Pelco-P/D (Auto recognition)			Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P			

Ordering Information

Type	Part Number	Description
2MP PTZ Camera	DH-SD49225I-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	DH-SD49225IN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
	SD49225I-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	SD49225IN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
Accessories	PFB305W	Wall Mount
	PFA111	Mount Adapter
	DC12V/3A	Power Supply
	PFA140	Power box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet mount

Accessories

Included:



PFB305W
Wall Mount

Optional:



PFA111
Mount Adapter



DC12V/3A
Power Adapter



PFA140
Power Box



PFB300C
Ceiling Mount



PFA120
Junction Box



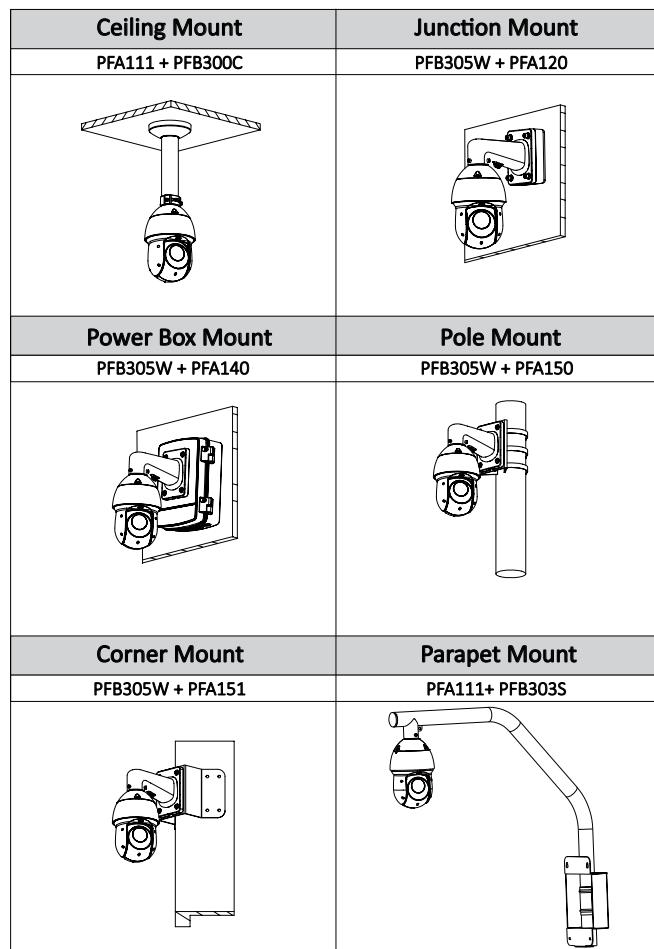
PFA150
Pole Mount



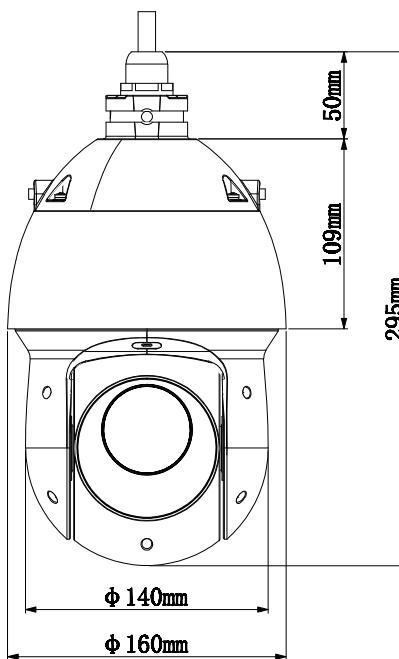
PFA151
Corner Mount



PFB303S
Parapet Mount



Dimensions (mm)



DH-SD49225I-HC-LA