

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 exellent 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.



Lite Series | DH-SD49225I-HC

Technical Specification

Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/3s~1/30,000s NTSC: 1/4s~1/30,000s
Minimum Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 100m (328ft)
IR On/Off Control	Auto/Manual
IR LEDs	6

Lens

Focal Length	4.8mm~120mm
Max. Aperture	F1.6 ~ F4.4
Angle of View	H: 59.2° ~ 2.4°
Optical Zoom	25x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance

*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.

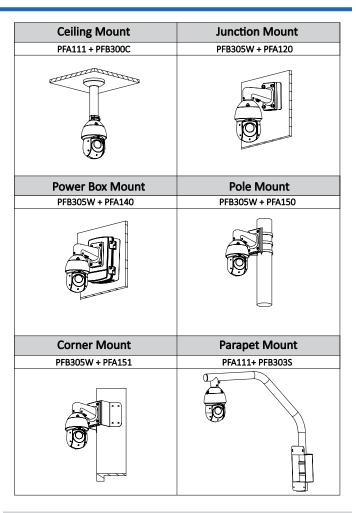
Detect	Observe		Recognize	Identify	
1613m(5259ft)	646m(2119ft)		323m(1060ft)	161m(528ft)	
PTZ					
Pan/Tilt Range	Pan/Tilt Range F		Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°,auto flip 180°		
Manual Control Speed		Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s			
Preset Speed		Pan: 24	40° /s; Tilt: 200° /s		
Presets		300			
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan			
Speed Setup		Human-oriented focal Length/ speed adaptation			
Power up Action		Auto ro power	estore to previous PTZ a failure	and lens status after	
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period			
Protocol		DH-SD, Pelco-P/D (Auto recognition)			
Video					
Resolution		1080P(1920×1080)/720P(1280×720)			
Frame Rate		25/30fps@1080P, 25/30/50/60fps@720P			
Video Output		1-channel BNC high definition video output/ CVBS standard definition video output (switchable)			

Day/Night	Auto(ICR) / Color / B/W			
OSD Menu	Support			
Backlight Compensation	BLC / HLC / WDR (120dB)			
White Balance	Auto, ATW, Indoor, Outdoor, Manual			
Gain Control	Auto / Manual			
Noise Reduction	Ultra DNR (2D/3D)			
Digital Zoom	16x			
Flip	180°			
Privacy Masking	Up to 24 areas			
Certifications				
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1			
Interface				
Video Interface	1			
Audio Interface	1 channel in			
RS485	1			
Alarm I/O	2/1			
Electrical				
Power Supply	DC 12V/3A			
Power Consumption	13W,20W (IR on)			
Environmental				
Operating Conditions	-40°C \simeq 70°C (-40°F \simeq +158°F) / Less than 90% RH			
Ingress Protection	IP66			
Vandal Resistance	N/A			
Construction				
Casing	Metal			
Dimensions	Φ160(mm) x 295(mm)			
Net Weight	3kg(6.61lb)			
Gross Weight	4.2kg(9.26lb)			

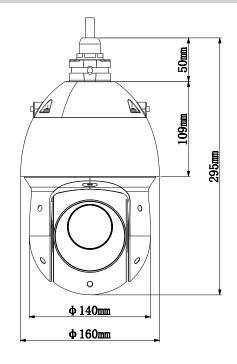
Lite Series | DH-SD49225I-HC

Ordering Information

Туре	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



Dimensions (mm)





Accessories

Included:



PFB305W Wall Mount

Optional:



PFA111 Mount Adapter



PFB300C Ceiling Mount



PFA151 Corner Mount



DC12V/3A Power Supply



PFA120 Junction Box



PFB303S



PFA140 Power box

PFA150 Pole Mount



Parapet Mount





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