

DH-SD49131I-HC 1MP 31x Starlight IR PTZ HDCVI Camera



- · 1/2.8" STARVIS™ CMOS
- Powerful 31x optical zoom
- Starlight technology
- \cdot 120dB true WDR, 3D DNR
- · Max. 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 720P resolution at 50/60fps, with 31x 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

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.

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.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -40 °C to +70 °C (-40 °F to +158 °F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for 6KV lightning rating, which provides effective protection for both the camera and its structure against lightning.



Lite Series | DH-SD49131I-HC

Technical Specification

Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Effective Pixels	1280(H) x 720(V), 1 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	1/1s~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~150mm
Max. Aperture	F1.6 ~ F4.4
Angle of View	H: 58.3° ~ 1.9°
Optical Zoom	31x
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.

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Detect	Observe		Recognize	Identify
1613m(5292ft)	646m(2119ft)		323m(1060ft)	161m(528ft)
PTZ				
Pan/Tilt Range		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: 240° /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 restore to previous PTZ and lens status after power failure		
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		720P(1280×720)		
Frame Rate		25/30/50/60fps@720P		
Video Output		1-channel BNC high definition video output/ CVBS standard definition video output (switchable)		

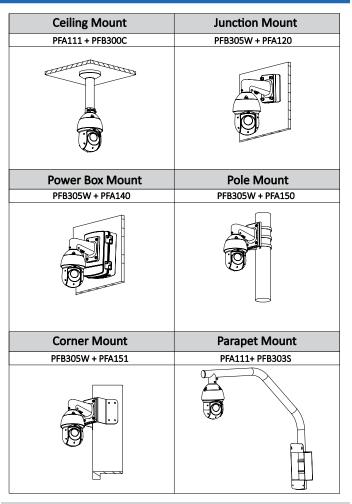
standard definition video output (switchable)

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 Ultra DNR (2D/3D) Noise Reduction Digital Zoom 16x Flip 180° Privacy Masking Up to 24 areas Certifications CE: EN55032/EN55024/EN50130-4 Certifications 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 DC 12V/3A Power Supply **Power Consumption** 13W,20W (IR on) Environmental -40°C ~ 70°C (-40°F ~ +158°F) / Less than 90% RH **Operating Conditions** IP66 Ingress Protection N/A Vandal Resistance Construction Casing Metal Φ160(mm) x 295(mm) Dimensions Net Weight 3kg(6.61lb) Gross Weight 4.2kg(9.26lb)

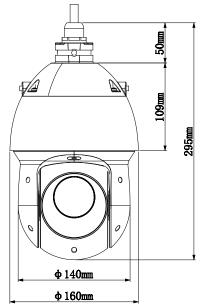
Lite Series | DH-SD49131I-HC

Ordering Information

Туре	Part Number	Description
1MP PTZ Camera	DH-SD49131I-HC	1MP 31x Starlight IR PTZ HDCVI Camera, WDR, PAL
	DH-SD49131IN-HC	1MP 31x Starlight IR PTZ HDCVI Camera, WDR, NTSC
	SD49131I-HC	1MP 31x Starlight IR PTZ HDCVI Camera, WDR, PAL
	SD49131IN-HC	1MP 31x 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

Rev 001.001



DC12V/3A Power Supply



PFA120 Junction Box



PFB303S Parapet Mount



PFA140

Power box

PFA150 Pole Mount

