

# DH-SD59225I-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 150m
- IP66



## System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD59 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. SD59 series PTZ is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements 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

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)
<b>Camera</b>				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: 0.05Lux@F1.6; B/W: 0.005Lux@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 150m (492ft)			Flip	180°
IR On/Off Control	Auto/Manual			Privacy Masking	Up to 24 areas
IR LEDs	4			<b>Certifications</b>	
<b>Lens</b>				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			<b>Interface</b>	
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			<b>Electrical</b>	
<b>DORI Distance</b>				Power Supply	AC24V/3A(±10%)
*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, 23W (IR on)
Detect	Observe	Recognize	Identify	<b>Environmental</b>	
1613m(5259ft)	646m(2119ft)	323m(1060ft)	161m(528ft)	Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 95% RH
<b>PTZ</b>				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° ~300° /s; Tilt: 0.1° ~200° /s			<b>Construction</b>	
Preset Speed	Pan: 400° /s; Tilt: 300° /s			Casing	Metal
Presets	300			Dimensions	Φ186(mm) x 309(mm)
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan			Net Weight	3.5kg(7.72lb)
Speed Setup	Human-oriented focal Length/ speed adaptation			Gross Weight	6.8kg(14.99lb)
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)				
<b>Video</b>					
Resolution	1080P(1920×1080)/720P(1280×720)				
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P				

### Ordering Information

Type	Part Number	Description
2MP PTZ Camera	DH-SD59225I-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	DH-SD59225IN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
	SD59225I-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	SD59225IN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
Accessories	PFB300S	Wall Mount
	PFA110	Mount Adapter
	AC24V/3A	Power Adapter
	PFA140	Power Box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet Mount

### Accessories

Included:



PFB300S  
Wall Mount



PFA110  
Mount Adapter



AC24V/3A  
Power Adapter

Optional:



PFA140  
Power Box



PFB300C  
Ceiling Mount



PFA120  
Junction Box



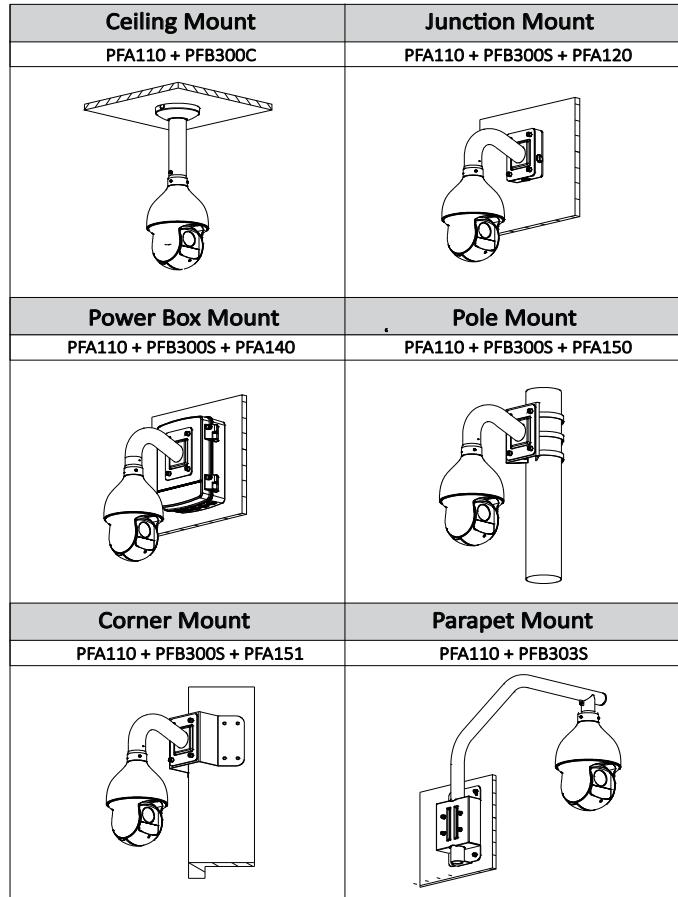
PFA150  
Pole Mount



PFA151  
Corner Mount



PFB303S  
Parapet Mount



### Dimensions (mm)

