

DH-SD59225I-HC 2MP 25x Starlight IR PTZ HDCVI Camera



- · 1/2.8" 2Megapixel STARVIS™ CMOS
- $\cdot\,$ 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.

Pro Series | DH-SD59225I-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: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 150m (492ft)
IR On/Off Control	Auto/Manual
IR LEDs	4
Lens	
Focal Length	4.8mm~120mm

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Max. Aperture	F1.6 ~ F4.4
Angle of View	H: 62.8° ~ 2.6°
Optical Zoom	25x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance

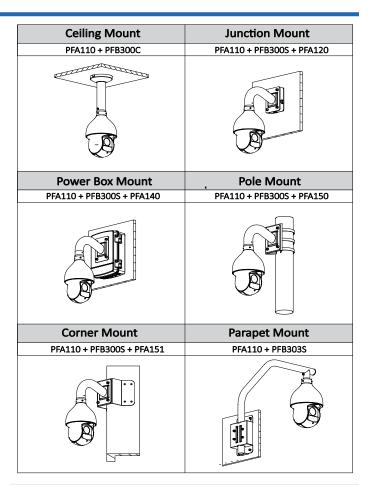
*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Detect	Observe		Recognize	Identify	
1613m(5259ft)	646m(2119ft)		323m(1060ft)	161m(528ft)	
PTZ					
Pan/Tilt Range	Pan: C		an: 0° ~ 360° endless; Tilt: -15° ~ 90°,auto flip 180°		
Manual Control Speed P.		Pan: 0.	Pan: 0.1° ~300° /s; Tilt: 0.1° ~200° /s		
Preset Speed	Pan:		Pan: 400° /s; Tilt: 300° /s		
Presets	300		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		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	AC24V/3A(±10%)	
Power Consumption	13W, 23W (IR on)	
Environmental		
Operating Conditions	-40°C \sim 70°C (-40°F \sim +158°F) / Less than 95% RH	
Ingress Protection	IP66	
Vandal Resistance	N/A	
Construction		
Casing	Metal	
Dimensions	Φ186(mm) x 309(mm)	
Net Weight	3.5kg(7.72lb)	
Gross Weight	6.8kg(14.99lb)	

Pro Series | DH-SD59225I-HC

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



Accessories

Included:



PFB300S Wall Mount

Optional:



PFA140 Power Box



PFA150 Pole Mount



PFB300C

Ceiling Mount

PFA110

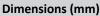
Mount Adapter

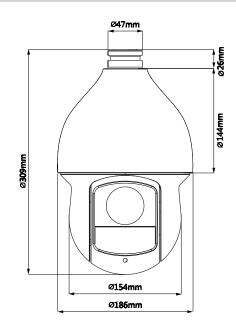
PFA151 Corner Mount

PFA120 Junction Box



PFB303S Parapet Mount











AC24V/3A Power Adapter