DAHUA TECHNOLOGY

DH-SD59225-HC-LA

2MP 25x Starlight IR PTZ HDCVI Camera

- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 25x optical zoom
- · Starlight technology
- · 120 dB true WDR, 3D DNR
- · Max. 25/30 fps@1080P, 25/30/50/60 fps@720P
- · IR distance up to 150 m
- · IP66

Starlight | Day/Night | IP66 | 0.005Lux

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 the latest starlight technology. SD59 series PTZ camera is equipped with smooth control, high quality image and good protection, which makes it meet small and medium-sized 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 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.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

Environmental

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.

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.

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.

Onvif

Technical Specification

Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Pixel	2MP
Max. Resolution	1920 (H) x 1080 (V)
ROM	16 MB
RAM	256 MB
Electronic Shutter Speed	1/3 s–1/100000 s
Scanning System	Progressive
Min. Illumination	Color: 0.005 Lux@F1.6 B/W: 0.0005 Lux@F1.6 0 Lux@F1.6 (IR on)
Illumination Distance	150 m (492.13 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	4

Lens

Focal Length	4.8 mm–120 mm
Max. Aperture	F1.6–F3.5
Field of View	H: 61°–2.8° V: 22.6°–0.4°
Optical Zoom	25x
Focus Control	Auto/Semi-Auto/Manual
Close Focus Distance	0.1 m–1.5 m (0.33 ft–4.92 ft)
Iris Control	Auto/Manual

	Detect	Observe	Recognize	Identify
DORI Distance	1655.2 m (5430.45 ft)	656.8 m (2154.86 ft)	331.0 m (1085.96 ft)	165.5 m (542.98 ft)

PTZ

Pan/Tilt Range	Pan: 0°–360° Tilt: -15°–+90°
Manual Control Speed	Pan:0.1°–300°/s Tilt:0.1°–200°/s
Preset Speed	Pan: 400°/s; Tilt: 300°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Speed Adjustment	Support
Power-off Memory	Support
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SD Pelco-P/D (auto recognition)

Video

Resolution	1080P (1920 × 1080); 720P (1280 × 720); D1 (704 × 576/704 × 480)
Frame Rate	1080P (25/30 fps), 720P (25/30/50/60 fps)
CVI Product Output Mode	CVI; TVI; AHD; CVBS
Day/Night	Support
BLC	Support
WDR	120 dB
HLC	Support
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural light/Street lamp
Gain Control	Auto/Manual
Noise Reduction	2D/3D
Defog	Electronic
Digital Zoom	16x
Flip	0°/180°
Privacy Masking	Up to 24 areas

Audio

Compression	G.711a; G.711Mu

Certification

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4-2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1

Port

Audio Input	1 (LINE IN; bare wire)
Analog Output	1 (CVBS/CVI output, BNC port)
RS-485	1 (baud rate range: 1200 bps–9600 bps)
Alarm Input	2
Alarm Output	1

Power

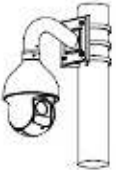|	
Power Supply	DC 24V/3A ± 25%
Power Consumption	9.6W 22W (IR light on, PTZ)

Environment

Operating Temperature	−40°C to +70°C (−40°F to +158°F)
Operating Humidity	≤ 95%RH
Protection	IP66; TVS 6000V lightning protection; surge protection

Structure

Dimensions	310.0 mm × Φ186.0 mm (12.20" × Φ7.32")
Net Weight	3.9 kg (8.60 lb)
Gross Weight	7.2 kg (15.87 lb)

Ordering Information

Type	Model	Description
2M Camera	DH-SD59225-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	DH-SD59225N-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
	SD59225-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	SD59225N-HC-LA	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
Accessories	PFB300S	Wall Mount Bracket
	PFA110	Mount Adapter
	DC24V/2.5A	Power Supply
	PFA140	Power Box
	PFB300C	Ceiling Mount Bracket
	PFA120	Junction Box
	PFA150	Pole Mount Bracket
	PFA151	Corner Mount Bracket
	PFB303S	Parapet Mount Bracket

Accessories

Included:

DC24V/2.5A Power Supply

PFB300S Wall Mount Bracket

PFA110 Mount Adapter

Optional:

PFA140 Power Box

PFB300C Ceiling Mount Bracket

PFA120 Junction Box

PFA150 Pole Mount Bracket

PFA151 Corner Mount Bracket

PFB303S Parapet Mount Bracket

Ceiling Mount	Junction Mount
PFA110 + PFB300C	PFA110 + PFB300S + PFA120
Power Box Mount	**Pole Mount**
PFA110 + PFB300S + PFA140	PFA110 + PFB300S + PFA150
Corner Mount	**Parapet Mount**
PFA110 + PFB300S + PFA151	PFA110 + PFB303S

Dimensions (mm[inch])

⌀47[1.85] 26[1.02] 144[5.67] 310[12.20] 154[6.06] ⌀186[7.32]