

DH-SD6CE225I-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
- IR distance up to 200m
- · IP67, IK10



System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera can provide large monitoring range and great detail. The camera has very excellent low light performance due to adopting the latest starlight technology. The camera is equipped with 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 0.005lux. 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 ~ 70°C (-40°F ~ +158°F) with 95% humidity. The camera complies with the IK10 Vandal Resistance impact rating. Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the unstable conditions for outdoor applications. Its 8KV lightning rating provides effective protection for both the camera and its structure against lightning.



Pro Series | DH-SD6CE225I-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	1/1s~1/30,000s
Minimum Illumination	Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6; 0Lux@F1.6 (IR on)
IR Distance	Distance up to 200m (656ft)
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: 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(5292ft)	646m(2119ft)		323m(1060ft)	161m(528ft)
PTZ				
Pan/Tilt Range	Pan: 0		n: 0° ~ 360° endless; Tilt: -20° ~ 90°,auto flip 180°	
Manual Control Spee	l Speed Pan: 0.		0.1° ~200° /s; Tilt: 0.1° ~120° /s	
Preset Speed	Pan: 30		: 300° /s; Tilt: 200° /s	
Presets	300			
PTZ Mode	5 Patte		ern, 8 Tour, Auto Pan ,Auto Scan	
Speed Setup		Humar	n-oriented focal Length/ speed adaptation	
Power up Action			ito restore to previous PTZ and lens status after wer failure	
Idle Motion			ate Preset/ Scan/ Tour/ Pattern if there is no nand in the specified period	
Protocol DH-		DH-SD	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)
Defog	Support
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 port(BNC, 1.0V[p-p], 75Ω)
RS485	1
Audio Interface	1 channel in
Alarm I/O	2/1
Electrical	
Power Supply	AC24V/3A(±25%)
Power Consumption	17W, 25W(IR On, Heater On)
Environmental	
Operating Conditions	-40°C \sim 70°C (-40°F \sim +158°F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10
Construction	
Casing	Metal
Dimensions	φ209×337.4mm
Net Weight	5.8kg(12.79lb)
Gross Weight	9.6kg(21.16lb)



Pro Series | DH-SD6CE225I-HC

Ordering Information

Туре	Part Number	Description
2MP PTZ Camera	DH-SD6CE225I-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	DH-SD6CE225IN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
	SD6CE225I-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, PAL
	SD6CE225IN-HC	2MP 25x Starlight IR PTZ HDCVI Camera, WDR, NTSC
Accessories	PFB305W	Wall Mount
	AC24V/3A	Power Adapter
	PFA111	Mount Adapter
	PFA140	Power Box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet Mount

Ceiling Mount	Junction Mount
PFA111 + PFB300C	PFB305W
Power Box Mount	Pole Mount
PFB305W + PFA140	PFB305W + PFA150
Corner Mount	Parapet Mount
PFB305W + PFA151	PFA111+ PFB303S

Accessories

Included:



PFB305W Wall Mount

Optional:



PFA111 Mount Adapter



PFA120 Junction Box



PFB303S Parapet Mount



AC24V/3A

Power Adapter

PFA140 Power Box



PFA150 Pole Mount

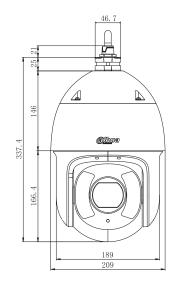


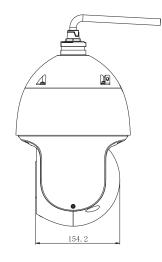
PFB300C Ceiling Mount



PFA151 Corner Mount

Dimensions (mm)







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