

DH-SD6CA230IN-HC-S2

2MP 30x Starlight IR PTZ HDCVI Camera



- 1/2.8-in. 2MP STARVIS™ CMOS Sensor
- Powerful 30x Optical Zoom
- Starlight Technology
- True WDR (120 dB), 3D DNR
- Max. 30 fps at 1080p, 30/60 fps at 720p
- IR Distance up to 150 m (492 ft)
- IP66 Ingress Protection



System Overview

The 2MP IR PTZ Dome camera features a 1/2.8-in STARVIS™ CMOS imager with a 30x optical zoom lens, and provides an all in one solution for capturing long-distance video security for outdoor applications. The camera uses a high-performance ISP and sensor to provide clear images with crisp details. The PTZ camera is equipped with quick and accurate pan/tilt/zoom control and Digital WDR for applications with direct sunlight or glare.

Functions

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.

Simplicity

HDCVI technology seamlessly integrates traditional analog security systems with upgraded, high-quality HD video, making it the best choice to protect security investments. The plug and play approach enables full HD video security without the hassles of configuring a network.

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.

Long Distance Transmission

HDCVI technology guarantees real-time transmission over long distances without loss of video quality. HDCVI cameras provide the same resolution as most IP network camera systems using existing RG-59, RG-6, or CAT 6 UTP cabling.

Environmental

With a built-in heater and a temperature range of -40 °C to +60 °C (-40 °F to +140 °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

Supporting ±25% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical Specification

Camera	
Image Sensor	1/2.8-in. STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V), 2MP
Scanning System	Progressive
Electronic Shutter Speed	1/3s to 1/300,000s
Minimum Illumination	Color: 0.005 Lux at F1.6; 0 Lux at F1.6 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 150 m (492 ft)
IR On/Off Control	Auto/Manual
IR LEDs	6

Lens	
Focal Length	4.5 mm to 135 mm
Max. Aperture	F1.6 to F5.0
Angle of View	H: 67.8° to 2.4°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100 mm to 1000 mm

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
1862 m (6109 ft)	744 m (2441 ft)	372 m (1220 ft)	186 m (610 ft)

PTZ	
Pan/Tilt Range	Pan: 0° to 360° endless; Tilt: -15° to 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° to 160° /s; Tilt: 0.1° to 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	1080p (1920×1080), 720p (1280×720)
Frame Rate	30 fps at 1080p, 30/60 fps at 720p
Video Output	1-channel BNC HDCVI high definition video output/ CVBS standard definition video output (switchable)
Day/Night	Auto(ICR), Color, B/W
OSD Menu	Support
Backlight Compensation	BL, 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	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1
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Interface	
Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm	2/1


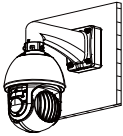
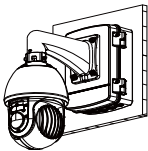


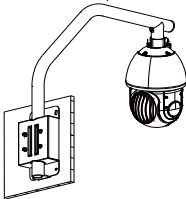
Electrical	
Power Supply	AC24V/3A (±10%)
Power Consumption	13 W, 23 W (IR on)

Environmental	
Operating Conditions	-40°C ~ 60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66

Construction	
Casing	Metal
Dimensions	Ø204.70 mm x 359.90 mm (Ø8.06 in.x 14.17 in.)
Net Weight	7.80 kg (17.20 lb)
Gross Weight	8.30 kg (18.30 lb)

Ordering Information

Type	Part Number	Description
2MP PTZ Camera	DH-SD6CA230IN-HC-S2	2MP 30x Starlight IR PTZ HDCVI Camera, WDR, NTSC
Accessories, Included	64FB	Wall Mount
	AC24V/3A	Power Supply
Accessories, Optional	PFA114	Mount Adapter
	PFB303W	Wall Mount
	PFA140	Power box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet mount

Ceiling Mount	Junction Mount
PFA114 + PFB300C	PFA114 + PFB303W + PFA120
	
Power Box Mount	Pole Mount
PFA114 + PFB303W + PFA140	PFA114 + PFB303W + PFA150
	
Corner Mount	Parapet Mount
PFA114 + PFB303W + PFA151	PFA114+ PFB303S
	

Accessories

Included:



64FB
Wall Mount



AC24V/3A
Power Supply

Optional :



PFA114
Mount Adapter



PFB303W
Wall Mount



PFA140
Power box



PFB300C
Ceiling Mount



PFA120
Junction Box



PFA150
Pole Mount



PFA151
Corner Mount



PFB303S
Parapet Mount

Dimensions (mm)

