

DH-SD6CA230IN-HC-S2

2 MP 30x Starlight IR PTZ HDCVI Camera



- 1/2.8-in. 2 MP 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 2 MP 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 surveillance 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 surveillance 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 surveillance 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), 2 MP |
| 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

| | |
|----------------|--|
| 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 | 2/1 |

Electrical

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

Environmental

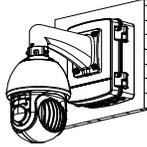
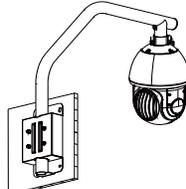
| | |
|----------------------|--|
| Operating Conditions | -40°C ~ 60°C (-40°F ~ +140°F) / Less than 90% RH |
| Ingress Protection | IP66 |

Construction

| | |
|--------------|---|
| Casing | Metal |
| Dimensions | ∅204.70 mm x 359.90 mm (∅8.06 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)

