

# DH-SD6CE430I-HC

4MP 30x IR PTZ HDCVI Camera



- 1/3" 4Megapixel CMOS
- Powerful 30x optical zoom
- 120dB true WDR, 3D DNR
- Max. 25/30fps@4M/1080P, 25/30/50/60fps@720P
- 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.

### 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 ±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.

### Technical Specification

#### Camera

|                          |  |
|--------------------------|--|
| Image Sensor             | 1/3" CMOS  |
| Effective Pixels         | 2560(H) x 1440(V), 4 Megapixels                            |
| Scanning System          | Progressive  |
| Electronic Shutter Speed | 1/1s~1/30,000s   |
| Minimum Illumination     | Color: 0.05Lux@F1.6; B/W: 0.005Lux@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         | 4.5mm~135mm   |
| Max. Aperture        | F1.6 ~ F4.4   |
| Angle of View        | H: 60° ~ 2.2° |
| Optical Zoom         | 30x           |
| 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    |
|---------------|---------------|--------------|-------------|
| 2700m(8858ft) | 1080m(3543ft) | 540m(1772ft) | 270m(886ft) |

#### PTZ

|                      |   |
|----------------------|---|
| Pan/Tilt Range       | Pan: 0° ~ 360° endless; Tilt: -20° ~ 90°, auto flip 180°                            |
| Manual Control Speed | Pan: 0.1° ~ 200° /s; Tilt: 0.1° ~ 120° /s   |
| Preset Speed         | Pan: 300° /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             | 4M(2592x1520) / 1080P(1920x1080) / 720P(1280x720)  |
| Frame Rate             | 25/30fps@4M/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<br>FCC: Part15 subpartB,ANSI C63.4- 2014<br>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 | 24W, 38W(IR On, Heater On) |

#### Environmental

|                      |  |
|----------------------|--|
| Operating Conditions | -40°C ~ 70°C (-40°F ~ +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) |

**Ordering Information**

| Type           | Part Number      | Description                            |
|----------------|------------------|--|
| 4MP PTZ Camera | DH-SD6CE430I-HC  | 4MP 30x IR PTZ HDCVI Camera, WDR, PAL  |
|                | DH-SD6CE430IN-HC | 4MP 30x IR PTZ HDCVI Camera, WDR, NTSC |
|                | SD6CE430I-HC     | 4MP 30x IR PTZ HDCVI Camera, WDR, PAL  |
|                | SD6CE430IN-HC    | 4MP 30x 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                          |

**Accessories**

Included:



PFB305W  
Wall Mount



AC24V/3A  
Power Adapter

Optional:



PFA111  
Mount Adapter



PFA140  
Power Box



PFB300C  
Ceiling Mount



PFA120  
Junction Box



PFA150  
Pole Mount



PFA151  
Corner Mount



PFB303S  
Parapet Mount

| Ceiling Mount<br>PFA111 + PFB300C   | Junction Mount<br>PFB305W        |
|-------------------------------------|----------------------------------|
|                                     |                                  |
| Power Box Mount<br>PFB305W + PFA140 | Pole Mount<br>PFB305W + PFA150   |
|                                     |                                  |
| Corner Mount<br>PFB305W + PFA151    | Parapet Mount<br>PFA111+ PFB303S |
|                                     |                                  |

**Dimensions (mm)**

