

DH-SD6AE230IA-HC

2MP 30x Starlight IR PTZ HDCVI Camera



- 1/1.9" 2Megapixel CMOS
- Powerful 30x optical zoom
- Starlight technology
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- 120dB true WDR, 3D DNR
- IR distance up to 200m
- IP67 , IK10



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, this series provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. Together with its infrared illumination and Starlight Technology, the camera is the perfect solution for dark, lowlight applications. The series combines a day/night mechanical IR cut filter for the highest image quality for variable lighting conditions during the day and True WDR for applications with direct sunlight or glare.

Functions

Starlight Technology

Featuring Dahua's Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (0.002 lux).

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Environmental

With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. The camera complies an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection

Supporting $\pm 25\%$ 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 | 1/1.9" CMOS |
| Effective Pixels | 1920(H) x 1080(V), 2 Megapixels |
| Scanning System | Progressive |
| Electronic Shutter Speed | 1/1s~1/30,000s |
| Minimum Illumination | Color: 0.002Lux@F1.5; 0Lux@F1.5 (IR on) |
| S/N Ratio | More than 56dB |
| IR Distance | Distance up to 200m (656ft) |
| IR On/Off Control | Auto/Manual |
| IR LEDs | 10 |

Lens

| | |
|----------------------|-----------------|
| Focal Length | 6mm~180mm |
| Max. Aperture | F1.5~ F4.3 |
| Angle of View | H: 61.2° ~ 2.1° |
| Optical Zoom | 30x |
| Focus Control | Auto/Manual |
| Close Focus Distance | 10mm ~ 1500mm |

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 |
|---------------|--------------|--------------|-------------|
| 1920m(6299ft) | 768m(2520ft) | 384m(1260ft) | 192m(630ft) |

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: 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(1920x1080)/720P(1280x720) |
| 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) |
| 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 I/O | 2/1 |

Electrical

| | |
|-------------------|-----------------|
| Power Supply | AC24V/3A(±25%) |
| Power Consumption | 24W,36W (IR 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 | Φ240(mm) x 382(mm) |
| Net Weight | 6.8kg(15.00lb) |
| Gross Weight | 10.1kg(22.27lb) |

Ordering Information

| Type | Part Number | Description |
|----------------|-------------------|--|
| 2MP PTZ Camera | DH-SD6AE230IA-HC | 2MP 30x Starlight IR PTZ HDCVI Camera, WDR, PAL |
| | DH-SD6AE230IAN-HC | 2MP 30x Starlight IR PTZ HDCVI Camera, WDR, NTSC |
| | SD6AE230IA-HC | 2MP 30x Starlight IR PTZ HDCVI Camera, WDR, PAL |
| | SD6AE230IAN-HC | 2MP 30x Starlight IR PTZ HDCVI Camera, WDR, NTSC |
| Accessories | PFB303W | Wall Mount |
| | PFA111 | Mount Adapter |
| | AC24V/3A | Power Supply |
| | PFA140 | Power box |
| | PFB300C | Ceiling Mount |
| | PFA120 | Junction Box |
| | PFA150 | Pole Mount |
| | PFA151 | Corner Mount |
| PFB303S | Parapet mount | |

Accessories

Included:



PFB303W
Wall Mount



PFA111
Mount Adapter



AC24V/3A
Power Supply

Optional:



PFA140
Power box



PFB300C
Ceiling Mount



PFA120
Junction Box



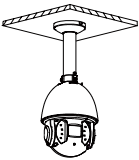
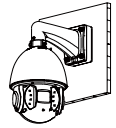
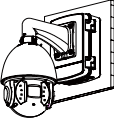
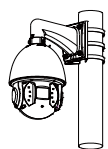
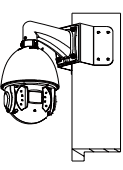
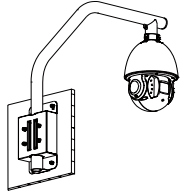
PFA150
Pole Mount



PFA151
Corner Mount



PFB303S
Parapet Mount

| Ceiling Mount | Junction Mount |
|--|--|
| PFA111 + PFB300C | PFA111 + PFB303W + PFA120 |
|  |  |
| Power Box Mount | Pole Mount |
| PFA111 + PFB303W + PFA140 | PFA111 + PFB303W + PFA150 |
|  |  |
| Corner Mount | Parapet Mount |
| PFA111 + PFB303W + PFA151 | PFA111 + PFB303S |
|  |  |

Dimensions (mm)

