

# DH-SD52C225I-HC

2MP 25x Starlight PTZ HDCVI Camera



- 1/2.8" 2Megapixel Exmor R CMOS
- Powerful 25x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- IK10



## System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD52C series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 25x optical zoom, and has very excellent low light performance due to adopting the latest starlight technology. SD52c series PTZ is equipped with quick and smooth control, high quality image and good protection, which make it can meet most of the requirements of indoor 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

Thanks to our experience and expertise in hardware and software development, the camera is equipped with the latest image processing algorithm, high performance hardware and high quality optical components, which make the camera have very excellent low light performance. In most conditions, this camera can deliver clear, bright and low-noise color images.

### 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 -30 °C to +60 °C (-22°F to +140 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force.

### Technical Specification

#### Camera

|                          |   |
|--------------------------|---|
| Image Sensor             | 1/2.8" Exmor R CMOS                       |
| Effective Pixels         | 1920(H) x 1080(V), 2 Megapixels           |
| Scanning System          | Progressive                               |
| Electronic Shutter Speed | 1/3s~1/300,000s                           |
| Minimum Illumination     | Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6 |
| S/N Ratio                | More than 55dB                            |
| IR Distance              | N/A                                       |
| IR On/Off Control        | N/A                                       |
| IR LEDs                  | N/A                                       |

#### Lens

|                      |                 |
|----------------------|-----------------|
| Focal Length         | 4.8mm~120mm     |
| Max. Aperture        | F1.6 ~ F4.4     |
| Angle of View        | H: 59.2° ~ 2.4° |
| Optical Zoom         | 25x             |
| Focus Control        | Auto/Manual     |
| Close Focus Distance | 100mm~ 1000mm   |

#### PTZ

|                      |   |
|----------------------|---|
| Pan/Tilt Range       | Pan: 0° ~ 360° endless; Tilt: 0° ~ 90°, auto flip 180°                              |
| Manual Control Speed | Pan: 0.1° ~ 350° /s; Tilt: 0.1° ~ 250° /s   |
| Preset Speed         | Pan: 500° /s; Tilt: 500° /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             | 25/30fps@1080P, 25/30/50/60fps@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 | 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<br>FCC: Part15 subpartB,ANSI C63.4- 2014<br>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/1.5A(±10%) |
| Power Consumption | 13W              |

#### Environmental

|                      |  |
|----------------------|--|
| Operating Conditions | -30°C ~ 60°C (-22°F ~ +140°F) / Less than 90% RH |
| Ingress Protection   | N/A  |
| Vandal Resistance    | IK10   |

#### Construction

|              |                    |
|--------------|--------------------|
| Casing       | Metal              |
| Dimensions   | Φ198(mm) x 177(mm) |
| Net Weight   | 2.2kg(4.85lb)      |
| Gross Weight | 3.7kg(8.16lb)      |

**Ordering Information**

| Type           | Part Number      | Description                                   |
|----------------|------------------|---|
| 2MP PTZ Camera | DH-SD52C225I-HC  | 2MP 25x Starlight PTZ HDCVI Camera, WDR, PAL  |
|                | DH-SD52C225IN-HC | 2MP 25x Starlight PTZ HDCVI Camera, WDR, NTSC |
|                | SD52C225I-HC     | 2MP 25x Starlight PTZ HDCVI Camera, WDR, PAL  |
|                | SD52C225IN-HC    | 2MP 25x Starlight PTZ HDCVI Camera, WDR, NTSC |
| Accessories    | AC24V/1.5A       | Power Supply                                  |

**Accessories**

Included:



AC24V/1.5A  
Power Supply

**Dimensions (mm)**

