

DS-2AE5123TI/5223TI-A HD720P/1080P Turbo IR PTZ Dome Camera



Hikvision DS-2AE5123TI/5223TI-A PTZ Dome Cameras are able to capture high quality images in low light environment with its black anti-reflective glass. The black anti-reflective glass increase the luminousness which can reach up to 150m IR distance.

Embedded with HD progressive scan CMOS chip makes DWDR and 1MP/2MP real-time resolution possible. With the 23X optical zoom Day/Night lens, the camera offers more details over expansive areas.

Key Features

- 1/3",1/2.8" HD Progressive Scan CMOS
- 1280x720/1920x1080
- 23X Optical Zoom
- DWDR
- 3D intelligent positioning function
- Up to 150m IR distance
- Support Turbo HD and CVBS output



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Function Description

System function:

- 1/3", 1/2.8" high performance CMOS, up to 1280x720/1920x1080 resolution
- $\pm 0.1^\circ$ Preset Accuracy
- Self-adaptive to HIKVISION, Pelco-P/D protocol
- 3D intelligent positioning function
- Power-off memory function: restore PTZ & Lens status after reboot
- Built-in temperature sensor, with display of internal temperature
- Lightning protection, surge protection and voltage transient protection
- IP66 standard
- RS-485 communication diagnosis
- Scheduled PTZ movement
- UTC(Up the Coax) function
- TVI and CVBS dual output

Camera function:

- Auto focus, auto white balance, backlight compensation and auto/manual day & night switch
- Privacy masks programmable
- 3D DNR, DWDR

PTZ function:

- 360° endless pan range and -15° -90° tilt range
- 400° /s Pan Preset Speed and 200° /s Tilt Preset Speed
- 0.1° -400° /s Manual Pan Speed and 0.1° -120° /s Manual Tilt Speed
- 256 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- 4 patterns, with the total recording time not less than 10 minutes

- Proportional zoom function
- Park action: auto call up of PTZ movement, after a defined time of inactivity

IR function:

- 0 Lux minimum illumination
- Up to 150m IR distance
- IR light MTBF reaching up to 30,000 hours
- Smart IR mode

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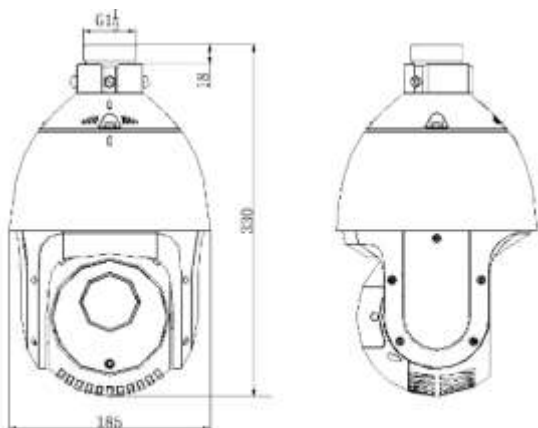
| Model | DS-2AE5123TI-A | DS-2AE5223TI-A |
|--------------------------------|--|---|
| Camera Module | | |
| Image Sensor | 1/3" Progressive Scan CMOS | 1/2.8" Progressive Scan CMOS |
| Min. Illumination | Color: 0.05Lux@(F1.4,AGC ON); B/W: 0.005Lux@(F1.4,AGC ON) | |
| Max. Image Resolution | 1280 × 720 | 1920 × 1080 |
| Focal Length | 4-92.0mm, 23x | |
| Digital Zoom | Not support | 16X |
| Zoom Speed | Approx.3s(Optical Wide~Tele) | |
| Angle of View | 49-2.2 degree(Wide-Tele) | |
| Min. Working Distance | 10~1,000mm(Wide~Tele) | |
| Aperture Range | F1.4~F3.5 | |
| Focus Mode | Auto / Semiautomatic / Manual | |
| DWDR | Support | |
| S / N Ratio | ≥ 50dB | |
| Shutter Time | 1-1/10,000s | |
| AGC | Auto / Manual | |
| White Balance | Auto / Manual / ATW / Indoor / Outdoor | |
| Day & Night | IR Cut Filter | |
| Privacy Mask | 8 privacy masks programmable; a maximum of 4 zones can be masked simultaneously on the same video screen | 8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen |
| Enhancement | 3D DNR | |
| Pan and Tilt | | |
| Range | Pan:360° endless; Tilt: -15°~90°(Auto Flip) | |
| Speed | Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s | |
| Number of Preset | 256 | |
| Patrol | 8 patrols, up to 32 presets per patrol | |
| Park Action | Preset / Patrol / Pattern / Pan scan / Tilt scan / Panorama scan | |
| Scheduled Task | Preset / Patrol / Pattern / Pan scan / Tilt scan / Panorama scan | |
| RS-485 communication diagnosis | Support | |
| Infrared | | |
| IR Distance | Up to 150m | |
| IR Intensity | Automatically adjusted, depending on the zoom ratio | |
| Input and Output | | |
| Turbo HD Output | 1 turbo HD720P/1080P output, 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC | |
| CVBS Output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC | |
| Alarm Input | 2 | |
| Alarm Output | 1 | |
| RS-485 Interface | Half-duplex mode Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol | |
| UTC function | HIKVISION_C | |

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| General | |
|---|---|
| Menu Language | English |
| Power | 24VAC, Max. 30W |
| Working Temperature / Humidity | -30 °C-65°C(-22°F-149°F) 90% or less |
| Protection Level | IP66 standard TVS 4,000V lightning protection, surge protection and voltage transient protection |
| Mounting | Various mounting modes optional |
| Dimensions | Φ185×330mm (Φ7.28"×12.99") |
| Weight (approx.) | 4Kg (8.81lbs) |
| Mount Option (only suitable for outdoor dome) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ |

Dimensions



Unit:mm

Accessories



DS-1602ZJ
Wall Mount



DS-1602ZJ-Corner
Conner Mount



DS-1602ZJ-Pole
Pole Mount



DS-1602ZJ-Box
Box Mount



DS-1663ZJ
Ceiling mount



DS-1661ZJ
Pendant mount



DS-1662ZJ
Pendant mount



DS-1619ZJ
Swan-neck Mount



DS-1005KI
USB Joy-stick