

**DS-2AE4123TI/4223TI-D  
HD720P/1080P Turbo IR PTZ Dome Camera**



Hikvision DS-2AE4123TI/4223TI-D 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 100m IR distance.

Embedded with 1/3" progressive scan CMOS chip makes WDR 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" Progressive Scan CMOS
- 1280x720/1920x1080
- 23X Optical Zoom
- DWDR
- Up to 100m IR distance
- 3D intelligent positioning function
- Support Turbo HD and BNC output



[www.hikvision.com](http://www.hikvision.com)

# DS-2AE4123TI/4223TI-D HD720P/1080P Turbo IR PTZ Dome Camera



## Function Description

### System function:

- 1/3" 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 (outdoor dome)
- RS-485 communication diagnosis
- Scheduled PTZ movement
- UTC(Up the Coax) function
- CVBS output

### Camera function:

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

### PTZ function:

- $360^\circ$  endless pan range and  $-15^\circ$  -  $-90^\circ$  tilt range
- $80^\circ$  /s Pan Preset Speed and  $80^\circ$  /s Tilt Preset Speed
- $0.1^\circ$  -  $80^\circ$  /s Manual Pan Speed and  $0.1^\circ$  -  $80^\circ$  /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 100m IR distance
- IR light MTBF reaching up to 30,000 hours
- Smart IR mode

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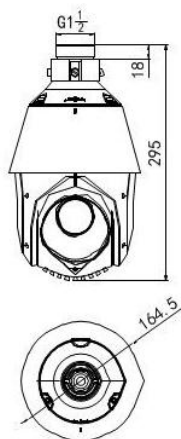
Model	DS-2AE4123TI-D	DS-2AE4223TI-D
<b>Camera Module</b>		
Image Sensor	1/3" Progressive Scan CMOS	
Min. Illumination	Color: 0.05Lux@( F1.6,AGC ON); B/W: 0.005Lux@( F1.6,AGC ON), 0 Lux with IR	
Max. Image Resolution	1280 × 720	1920 × 1080
Focal Length	4-92.0mm, 23x	
Digital Zoom	16X	
Zoom Speed	Approx.3s(Optical 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 8 zones can be masked simultaneously on the same video screen	
Enhancement	3D DNR, BLC, EIS	
<b>Pan and Tilt</b>		
Range	Pan:360° endless; Tilt: -15°~90°(Auto Flip)	
Speed	Pan Manual Speed: 0.1°~80°/s, Pan Preset Speed: 80°/s Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s	
Number of Preset	256	
Patrol	8 patrols, up to 32 presets per patrol	
Pattern	4 patterns, with the total recording time not less than 10 minutes	
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	
<b>Infrared</b>		
IR Distance	Up to 100m	
IR Intensity	Automatically adjusted, depending on the zoom ratio	
<b>Input/ Output</b>		
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	
RS-485 Interface	Half-duplex mode Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol	
UTC function	HIKVISION_C	

# DS-2AE4123TI/4223TI-D HD720P/1080P Turbo IR PTZ Dome Camera



General	
Menu Language	English
Power	12VDC, Max.18W
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	Φ164.5(mm)×295(mm)
Weight (approx.)	2Kg (4.41lbs)
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-1618ZJ  
Short arm wall  
Mount



DS-1005KI  
USB Joy-stick