

## DS-2AE4023 series

### E series Mini PTZ Dome Analog Camera



## Key features

### System function:

- High performance CCD
- $\pm 0.1^\circ$  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
- RS-485 communication diagnosis capability
- Manchester code communication diagnosis capability
- Scheduled PTZ movement
- Password protection
- Camera title programmable
- Zone Scanning
- IP66 standard (outdoor dome)
- 3D DNR

### Camera function:

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

### PTZ function:

- 360° endless pan range and  $-5^\circ$ - $90^\circ$  tilt range
- 160°/s Pan Preset Speed and 120°/s Tilt Preset Speed
- 0.1°-160°/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

## Application Scenarios

It can be widely applied to places requiring wide-area monitoring display, such as streets, stations, large venues, outside of residential areas, etc.

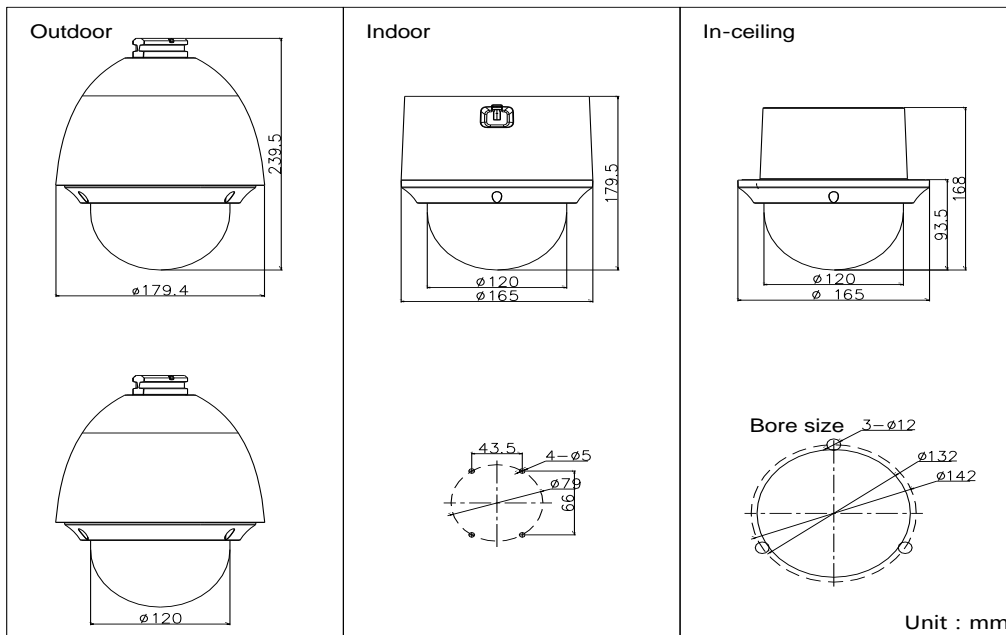
## Specifications

Parameter		Model
		DS-2AE4023 series
		<b>E series Mini PTZ Dome Analog Camera</b>
Camera	Image Sensor	1/3" CCD
	Effective Pixel	PAL:976(H)×582(V) NTSC:976(H)×494(V)
	Horizontal Resolution	700TVL
	Signal System	PAL/ NTSC
	Min. Illumination	Color: 0.02Lux/ (F1.6 AGC ON) B/W: 0.002Lux/(F1.6 AGC ON)
	White Balance	Auto/ATW/Indoor/Outdoor/One push
	AGC	Auto / Manual
	S / N Ratio	≥ 50dB
	3D DNR	Support
	Backlight Compensation	Support
	Digital WDR	Support
	Shutter Time	PAL: 1/1-1/10,000s NTSC: 1/1-1/10,000s
	Day & Night	IR Cut Filter
	Digital Zoom	16x
	Privacy Mask	8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen
Focus Model	Auto / Semiautomatic / Manual	
Lens	Focal Length	4-92mm, 23X
	Zoom Speed	Approx.3.0s(Optical Wide-Tele)
	Angle of View	49-2.2 degree(Wide-Tele)
	Min. Working Distance	10-1000mm (Wide-Tele)
	Aperture Range	F1.6-F3.7
Pan and Tilt	Pan Range	360° endless
	Pan Speed	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 160°/s
	Tilt Range	-5°-90°(Auto Mirror)

	Tilt Speed	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 120°/s
	Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
	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
	Power-off Memory	Support
	Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
	PTZ Position Display	On / Off
	Freeze Frame	Support
	Password Protection	Support
	Zone Scanning/Display	Scanning within programmed zone, display zone title
	Camera Title	Programmable title display
	Compass	Support , the north can be set
	Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
	RS-485 communication diagnosis	Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text
	Manchester code communication diagnosis	Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters
<b>Input/ Output</b>	Monitor 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
<b>General</b>	Menu Language	English, Chinese
	RS-485 Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
	Power	24 VAC Outdoor: Max.18 W(heater: 6W) Indoor: Max.12W
	Working Temperature / Humidity	-30 °C-65°C(-22°F-149°F)(outdoor dome) / -10°C-50°C(14°F-122°F)(indoor dome ) 90% or less
	Protection Level	IP66 standard (outdoor dome) TVS 4,000V lightning protection, surge protection and voltage transient protection
	Mounting	Various mounting modes optional
	Dimension	Φ179.4×239.5mm (Φ7.06"×9.43")(Outdoor)

		$\Phi 165 \times 179.5 \text{mm} (\Phi 6.50'' \times 7.07'')$ (Indoor) $\Phi 165 \times 168 \text{mm} (\Phi 6.50'' \times 6.61'')$ (In-ceiling)
	Weight (approx.)	2Kg (4.41lbs) (Outdoor) 2Kg (4.41lbs) (Indoor/In-ceiling)
	Mount Option (only suitable for outdoor dome)	Long-arm wall mount: DS-1602ZJ; Long-arm pendant mount: DS-1662ZJ; Short-arm pendant mount: DS-1661ZJ;

## Dimensions



## Order models

- DS-2AE4023-A, PAL, 24VAC, outdoor
- DS-2AE4023-A3, PAL, 24VAC, indoor
- DS-2AE4023N-A, NTSC, 24VAC, outdoor
- DS-2AE4023N-A3, NTSC, 24VAC, indoor

## Accessories



