

### **DS-2AE7023**

## **E Series IR Analog PTZ Dome Camera**



# **Key features**

#### IR function:

- 0 Lux minimum illumination
- Up to 120m IR distance
- IR light MTBF reaching up to 30,000 hours

## **System function:**

- 1/3" high performance CCD
- ±0.1° 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
- Manchester code communication diagnosis capability
- Scheduled PTZ movement
- UTC(Up the Coax) function (only with '/C' model DVR, such as: DS-7204HWI-E1/C)

## **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 -15°-90° tilt range
- 240°/s Pan Preset Speed and 200°/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
- 10 patrols, up to 32 presets per patrol
- 5 patterns, with the total recording time not less than 15 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 rivers, forests, highways, railways, airports, ports, sentries, squares, parks, scenic sites, streets, stations, large venues, outside of residential areas, etc., and the auto tracking function can be applied to the perimeter protection scenes, e.g., the perimeter of airport, harbor, and residential community.

# **Specifications**

		DS-2AE7023I-A: PAL, 24VAC, Outdoor
Parameter	Model	DS-2AE7023I-D: PAL, 12VDC, Outdoor
		DS-2AE7023NI-A: NTSC, 24VAC, Outdoor
		DS-2AE7023NI-D: NTSC, 12VDC, Outdoor
		E Series IR Analog PTZ Dome Camera
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)
		0 lux with IR
	White Balance	Auto / Manual / ATW / Indoor / Outdoor
	AGC	Auto / Manual
	S / N Ratio	≥ 50dB
	3D DNR	Support
	Backlight Compensation	Support
	Digital WDR	Support
	Shutter Time	PAL: 1-1/10,000s
		NTSC: 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

**HIKVISION** 

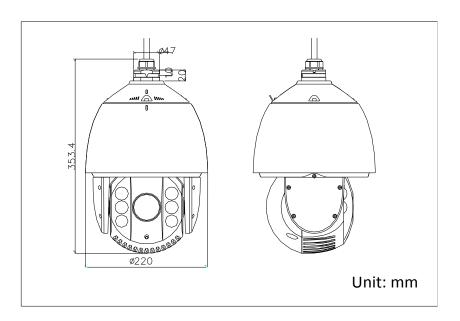
	Zoom Speed	Approx.3.0s(Optical Wide-Tele)
	Angle of View	49-2.2 degree(Wide-Tele)
	Min. Working Distance	10-1500mm (Wide-Tele)
	Aperture	F1.6-F3.7
	Pan Range	360° endless
	Pan Speed	Pan Manual Speed: 0.1°-160°/s,
		Pan Preset Speed: 240°/s
	Tilt Range	-15°-90° (Auto Flip )
	Tilt Speed	Tilt Manual Speed: 0.1°-120°/s,
		Tilt Preset Speed: 200°/s
	Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
	Number of Preset	256
	Patrol	10 patrols, up to 32 presets per patrol
Pan and	Pattern	5 patterns, with the total recording time not less than 15 minutes
Tilt	Power-off Memory	Support
	Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
	PTZ Position Display	On / Off
	Preset Freezing	Support
	Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
	RS-485 communication	
	diagnosis	Support
	Manchester code and	
	connection failures	Support
	diagnosis	
	IR Distance	120m
Infrared	IR Intensity	Automatically adjusted, depending on the zoom ratio
	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Input/ Output	RS-485 Interface	Half-duplex mode
		Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol
	UTC function	Self-adaptive PELCO_C, HIKVISION_C (only with '/C' model DVR, such as: DS-7204HWI-E1/C)
General	Menu Language	English, Chinese
	Power	24VAC(for –A moel); 12VDC(for –D model)
		Max. 30W(IR: 9W, Heater: 6W)
	Working Temperature /	-30 °C-65°C(-22°F-149°F)
	Humidity	90% or less
	Protection Level	IP66 standard
		TVS 4,000V lightning protection, surge protection and voltage transient protection
	Mounting	Various mounting modes optional
	Dimensions	Ф220×353.4mm (Ф8.66"×13.91")
	Weight (approx.)	4.5kg(9.92 lbs)
	Weight (approx.)	1.J/6/J.J.



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

## **Dimensions**



## **Order models**

- DS-2AE7023I-A, PAL, 24VAC, outdoor
- DS-2AE7023I-D, PAL, 12VDC, outdoor
- DS-2AE7023NI-A, NTSC, 24VAC, outdoor
- DS-2AE7023NI-D, NTSC, 12VDC, outdoor

## **Accessories**



DS-1602ZJ Long-arm Wall Mount Bracket