

DS-2AF1-5XY Series



Key features

System:

- 1/4" SONY 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
- Fiber optical interface optional
- 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

Camera:

- Auto iris, auto focus, auto white balance, backlight compensation and auto/manual day & night switch, and WDR function optional
- Privacy masks programmable

PTZ:

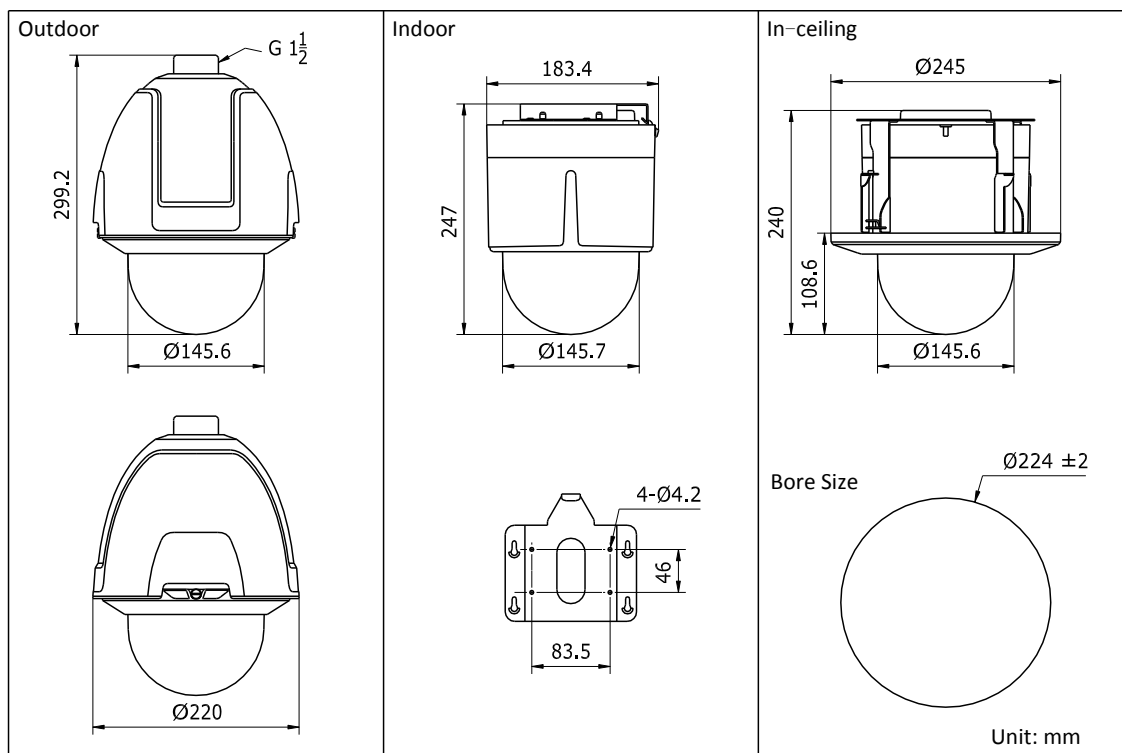
- 360° endless pan range and -5° - 185° tilt range
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- 0.1°-300°/s Manual Pan Speed and 0.1°-240°/s Manual Tilt Speed
- 256 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- 4 patterns, with the recording time not less than 10 min
- Proportional zoom function
- Park action: auto callup of PTZ movement, after a defined time of inactivity
- 7 alarm inputs and 2 alarm outputs

Specifications

Parameter \ Model		DS-2AF1-513(Outdoor) DS-2AF1-533(In-ceiling)	DS-2AF1-515(Outdoor) DS-2AF1-535(In-ceiling)	DS-2AF1-517(Outdoor) DS-2AF1-537(In-ceiling)
		5 Inch High Speed Dome		
Camera	Image Sensor	1/4" SONY EXVIEW CCD		
	Effective Pixel	PAL:752(H)×582(V) NTSC:768(H)×494(V)		
	Horizontal Resolution	Color: 480 TVL B/W: 520 TVL		
	Signal System	PAL /NTSC		
	Min. Illumination	Color: 0.7Lux/F1.4 B/W: 0.01Lux/F1.4	Color: 0Lux/F1.4 B/W: 0.01Lux/F1.4	Color: 1.4Lux/F1.4 B/W: 0.01Lux/F1.4
	White Balance	Auto / Manual / ATW / Indoor / Outdoor		
	AGC	Auto / Manual		
	S / N Ratio	≥ 50dB		
	BLC	On / Off		
	Shutter Time	PAL: 1/3-1/10,000s NTSC: 1/4-1/10,000s		
	Day & Night	IR Cut Filter		
	Digital Zoom	12x		
	Privacy Mask	24 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	4.1-73.8mm, 18X	3.5-91mm, 26X	3.4-122.4mm, 36X
	Zoom Speed	Approx.2.1s(Optical Wide-Tele)	Approx.4.0s(Optical Wide-Tele)	
	Angle of View	48-2.8degree(Wide-Tele)	54.2-2.2degree(Wide-Tele)	57.8-1.7degree(Wide-Tele)
	Min. Working Distance	10-800mm (Wide-Tele)	10-1,500mm(Wide-Tele)	
	Aperture Range	F1.4 - F3.0	F1.4 - F3.8	F1.6 - F4.5
Pan and Tilt	Pan Range	360°endless		
	Pan Speed	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s		
	Tilt Range	-5°-185°		
	Tilt Speed	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/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 min		
	Power-off Memory	Supported		
	Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan		

	PTZ Position Display	On / Off
	Freeze Frame	Supported
	Password Protection	Supported
	Zone Scanning/Display	Scanning within programmed zone, display zone title
	Camera Title	Programmable title display
	Compass	Supported: 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 displayed on the video screen in special characters
Alarm	Alarm Input	7
	Alarm Output	2 relay outputs, alarm response actions configurable
	Alarm Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan Frame scan / Panorama scan / Relay output
Input/Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Fiber Interface (available for fiber dome only)	Data Mode	1-channel analog video and 1-channel reverse RS-485 data
	Physical Interface	FC/SC optional
	Fiber Wavelength	1310/1550nm
	Fiber Type	Single Fiber/Singlemode
	Transmission Distance	20Km, 40Km / 60Km/ 80Km optional
General	Menu Language	English, Chinese
	RS-485 Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
	Power Supply	24VAC (12V DC optional)
	Power Consumption	15W max(30W max with heater, outdoor dome)
	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 3,000V lightning protection, surge protection and voltage transient protection
	Mounting	Various mounting modes optional
	Dimensions	Outdoor 8.66"×11.78" (220×299.2mm) Indoor 7.22"×9.72" (183.4×247mm) In-ceiling 9.65"×9.45" (245×240mm)
	Weight (approx.)	11.02 lbs (5Kg)
	Mount Option	Long-arm wall mount: DS-1614ZJ; Indoor short-arm wall mount: DS-1615ZJ Corner mount: DS-1633ZJ; Pole Mount: DS-1622ZJ; Power box mount:DS-1634ZJ

Dimensions



Accessories



DS-1614ZJ Long-arm Wall Mount Bracket