DS-2DF1-61(0)2/4/6/8H

6 Inch Network High Speed Dome

Technical Manual

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Specifications

Parameter	Model	DS-2DF1-612(Outdoor) DS-2DF1-602(Indoor)	DS-2DF1-614(Outdoor) DS-2DF1-604(Indoor)	DS-2DF1-616(Outdoor) DS-2DF1-606(Indoor)	DS-2DF1-618(Outdoor) DS-2DF1-608(Indoor)
		6 Inch Network High Speed Dome			
Camera	Image Sensor	1/4'' Sony Super HAD CCD			
	Effective Pixel	PAL:752(H)×582(V) NTSC:768(H)×494(V)			
	Horizontal Resolution	480 TVL	Color: 480 TVL B/W: 520 TVL	Color: 540 TVL B/W: 570 TVL	
	Signal System	PAL /NTSC			
	Min.Illumination	0.1Lux/F1.6	Color: 0.2Lux/F1.6 B/W:0.02Lux/F1.6	Color: 0.2Lux/F1.4 B/W:0.02Lux/F1.4	
	White Balance	Auto / Manual / ATW / Indoor / Outdoor			
	AGC	Auto / Manual			
	S / N Ratio	≥ 50dB			
	BLC	On / Off			
	Shutter Time	PAL:1/50-1/10,000s NTSC:1/60-1/10,000s			
	Day & Night	Electronic	IR Cut Filter		
	Digital Zoom	—		16x	
	Focus Model	Auto / Semiautomatic / Manual			
Lens	Focal Length	3.9-85.8mm, 22X	3.84-88.4 mm, 23X	3.5-105mm, 30X	3.4-122.4mm, 36X
	Zoom Speed	Approx.4.3s(Optical Wide-Tele)	Approx.5.1s(Optical Wide-Tele)	Approx.5.4s(Optical Wide-Tele)	
	Angle of View	58.0-2.22degree (Wide-Tele)	52.2-2.36degree(Wide-Tele)	56.4-2.0degree(Wide-Tele)	57.8-1.7degree (Wide-Tele)
	Min. Working Distance	10-1,000mm(Wide-Tele)	10-1,200mm(Wide-Tele)	10-1,000mm(Wide-Tele)	
	Aperture Range	F1.6 - F3.7	F1.6 - F4.5	F1.4 - F3.7	F1.6 - F4.5
Pan and Tilt	Pan Range	360°endless			
	Pan Speed	Pan Manual Speed: 0.1°-300°/s, Pan Preset Speed: 400°/s			
	Tilt Range	-5°-90° (Auto Flip)			
	Tilt Speed	Tilt Manual Speed: 0.1°-90°/s, Tilt Preset Speed: 200°/s			
	Proportional	Rotation speed can be adjusted automatically according to zoom multiples			

	Zoom		
	Number of Preset	256	
	Patrol	8 patrols, up to 32 presets per patrol	
	Pattern	4 patterns, with the recording time not less than 10 min per pattern	
	Power-off Memory	Support	
	Park Action	Preset / Patrol / Pattern / Auto scan / Random scan / Frame scan / Panorama scan	
	PTZ Position Display	On / Off	
	Freeze Frame	—	Support
Alarm	Alarm Input	2 (7 optional)	
	Alarm Output	2 relay outputs, alarm response actions configurable	
	Alarm Actions	Preset, Patrol, Pattern, SD card recording, Relay output, Notification on Client	
Input/ Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC	
	Audio Input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%	
	Audio Output	Line level, impendance: 600Ω	
Network	Ethernet	10Base-T / 100Base-TX, RJ45 connector	
	Max.Image Resolution	PAL:704×576 NTSC:704×480	
	Frame Rate	PAL :25 fps (704×576) NTSC: 30 fps (704×480)	
	Image Compression	H.264	
	Audio Compression	OggVorbis / 16kbps	
	Audio Mode	Off / Audio input / Audio output	
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP optional)	
	No. of Simultaneous Users	Up to 6 users	
	Dual Streams	Support	
	Mini SD Memory Card	Manual REC / Alarm REC. Built-in SD/SDHC Slot,up to 32GB	
	User/Host Level	3 Levels: Administrator, Camera control, Live view only	
	Security Measures	User authentication (ID and PW), Host authentication (MAC address)	
Client GUI	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.	
	OSD	Up to 18 characters	
	Date & Time Display	Time: Week: Date, 6 formats on the Client	
	Reading Patrol Message	Display and reading of preset message contained in each patrol via client software	

Fiber Interface (available for fiber dome only)	Data Mode	10Base-T / 100Base-TX
	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 ℃-65℃(-22℉-149℉)(outdoor dome) / -10℃-50℃(14℉-122℉)(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
	Dimension	Φ242.8×286.9mm(Φ9.56"×11.30")(Outdoor) Φ216×286.9mm(Φ8.50"×11.30")(Indoor) Φ250.2×274.2mm(Φ9.85"×10.80")(In-ceiling)
	Weight (approx.)	5kg(11.02Ibs)
	Mount Option	Long-arm wall mount:DS-1611ZJ; Indoor short-arm wall mount:DS-1612ZJ Corner mount:DS-1632ZJ; Pole Mount:DS-1621ZJ Indoor pendant mount:DS-1651ZJ/ DS-1652ZJ; Ceiling mount: DS-1642ZJ