

## **HIKVISION**

## DS-2DF1-61(0)2/4/6/8H 6 Inch Network High Speed Dome

**Technical Manual** 



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## **Specifications**

		DS-2DF1-612(Outdoor)	DS-2DF1-614(Outdoor)	DS-2DF1-616(Outdoor)	DS-2DF1-618(Outdoor)	
	Model	DS-2DF1-602(Indoor)	DS-2DF1-604(Indoor)	DS-2DF1-606(Indoor)	DS-2DF1-608(Indoor)	
Parameter		6 Inch Network High Speed Dome				
Camera	Image Sensor	1/4" Sony Super HAD CCD				
	560 51	PAL:752(H)×582(V)				
	Effective Pixel	NTSC:768(H)×494(V)				
	Horizontal	480 TVL	Color: 480 TVL	Color: 540 TVL		
	Resolution	480 TVL	B/W: 520 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: 0.2l B/W:0.02l		
	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		x		
	Focus Model	Auto / Semiautomatic / Manual				
	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)		
Lens	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	On / Off	
	Display		
	Freeze Frame	— Support	
	Alarm Input	2 (7 optional)	
Alarm	Alarm Output	2 relay outputs, alarm response actions configurable	
	Alarm Actions	Preset, Patrol, Pattern, SD card recording, Relay output, Notification on Client	
	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC	
Input/	Audio Input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%	
Output	Audio Output	Line level, impendance: $600\Omega$	
	Ethernet	10Base-T / 100Base-TX, RJ45 connector	
	Max.Image	PAL:704×576	
	Resolution	NTSC:704×480	
		PAL :25 fps (704×576)	
	Frame Rate	NTSC: 30 fps (704×480)	
	Image		
	Compression	H.264	
	Audio		
	Compression	OggVorbis / 16kbps	
Maturadi	Audio Mode	Off / Audio input / Audio output	
Network	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	Manual REC / Alarm REC.	
	Memory Card	Built-in SD/SDHC Slot,up to 32GB	
	User/Host Level	3 Levels: Administrator, Camera control, Live view only	
	Security	User authentication (ID and PW),	
	Measures	Host authentication (MAC address)	
	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.	
	OSD	Up to 18 characters	
Client	Date & Time	Time: Week: Date, 6 formats on the Client	
GUI	Display	Time. Week. Date, o formats on the Chefft	
	Reading Patrol	Display and reading of preset message contained in each patrol via client software	
	Message	Display and reading of preset message contained in each patrol via cheft software	



	Data Mode	10Base-T / 100Base-TX	
Fiber	Physical	FC/FC antique!	
Interface	Interface	FC/SC optional	
(available	Fiber	1310/1550nm	
for fiber	Wavelength		
dome	Fiber Type	Single Fiber/Singlemode	
only)	Transmission	201/ 401/   501/   201/	
	Distance	20Km, 40Km / 60Km/ 80Km optional	
	Menu Language	English, Chinese	
	RS-485	LINAMICION Deleg D. Deleg D. celf celegative	
	Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
	Power Supply	24VAC (12V DC optional)	
	Power	4514 (2014 311 1 1 1 1 )	
	Consumption	15W max(30W max with heater, outdoor dome)	
	Working	-30 $^\circ$ C-65 $^\circ$ C(-22 $^\circ$ F-149 $^\circ$ F)(outdoor dome) / -10 $^\circ$ C-50 $^\circ$ C(14 $^\circ$ F-122 $^\circ$ F)(indoor dome)	
	Temperature /		
	Humidity	90% or less	
Conoral	Protection Level	IP66 standard (outdoor dome)	
General		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)	
		Ф250.2×274.2mm(Ф9.85″×10.80″)(In-ceiling)	
	Weight	Flor/11 03lbs)	
	(approx.)	5kg(11.02lbs)	
	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	