

HIKVISION

DS-2DF1-61(0)1/3/5/7H

6 Inch Network High Speed Dome

Technical Manual

Notices

The information in this documentation is subject to change without notice and does not represent any commitment on behalf of HIKVISION. HIKVISION disclaims any liability whatsoever for incorrect data that may appear in this documentation. The product(s) described in this documentation are furnished subject to a license and may only be used in accordance with the terms and conditions of such license.

Copyright © 2006-2010 by HIKVISION. All rights reserved.

This documentation is issued in strict confidence and is to be used only for the purposes for which it is supplied. It may not be reproduced in whole or in part, in any form, or by any means or be used for any other purpose without prior written consent of HIKVISION and then only on the condition that this notice is included in any such reproduction. No information as to the contents or subject matter of this documentation, or any part thereof, or arising directly or indirectly therefrom, shall be given orally or in writing or shall be communicated in any manner whatsoever to any third party being an individual, firm, or company or any employee thereof without the prior written consent of HIKVISION. Use of this product is subject to acceptance of the HIKVISION agreement required to use this product. HIKVISION reserves the right to make changes to its products as circumstances may warrant, without notice.

This documentation is provided "as-is," without warranty of any kind.

Please send any comments regarding the documentation to:

overseabusiness@hikvision.com

Find out more about HIKVISION at www.hikvision.com

Specifications

Parameter		Model	DS-2DF1-611(Outdoor) DS-2DF1-601(Indoor)	DS-2DF1-613(Outdoor) DS-2DF1-603(Indoor)	DS-2DF1-615(Outdoor) DS-2DF1-605(Indoor)	DS-2DF1-617(Outdoor) DS-2DF1-607(Indoor)
		6 Inch Network 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	480 TVL	Color: 480 TVL B/W: 520 TVL			
	Signal System	PAL / NTSC				
	Min.Illumination	1.0Lux/F1.4	Color: 0.7Lux/F1.4 B/W:0.01Lux/F1.4	Color: 1.0Lux/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:1/50-1/10,000s NTSC:1/60-1/10,000s	PAL:1/3-1/10,000s NTSC:1/4-1/10,000s			
	Day & Night	Electronic	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: 400°/s				
	Tilt Range	-5°-90° (Auto Flip)				
	Tilt Speed	Tilt Manual Speed: 0.1°-90°/s,				

		Tilt Preset Speed: 200°/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 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, impedance: 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 °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
	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(11.02lbs)
	Mount Option	lonLg-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