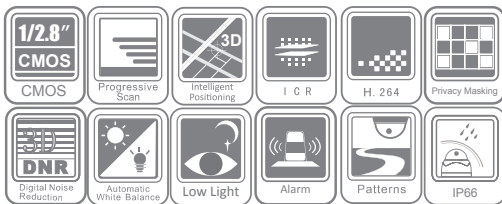


# Smart PTZ Dome

## DS-2DF5284

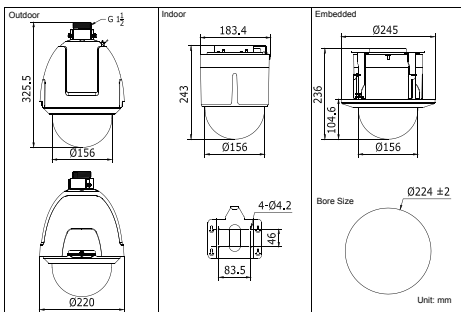
### 2MP 20X Network PTZ Dome Camera



#### Key features

- 1/2.8" Progressive Scan CMOS
- 20X optical zoom, 16X digital zoom
- Smart Tracking, ROI encoding
- 3-Streams
- True Day/Night, 3D DNR
- 3D intelligent positioning
- High-PoE / PoE+ / 24VAC power supply

#### Dimensions



#### Accessories



DS-1614ZJ

DS-1633ZJ

DS-1622ZJ

DS-1634ZJ

	DS-2DF5284-A (outdoor) DS-2DF5284-A3 (indoor) DS-2DF5284-AE3 (indoor)	DS-2DF5284-AEL (outdoor)
<b>Camera</b>		
Image sensor	1/2.8" Progressive Scan CMOS	
Effective pixel	2230K pixels	
Min. illumination	Color: 0.05 lux (F1.6, 1/1 sec, 50 IRE, AGC On); B/W: 0.005 lux (F1.6, 1/1 sec, 50 IRE, AGC On)	
White balance	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp	
AGC	Auto / Manual	
S / N ratio	≥ 50dB	
Digital Noise Reduction	3D DNR	
Backlight Compensation	BLC	
Shutter Speed	50Hz: 1~1/30,000s, 60Hz: 1~1/30,000s	
Day & Night	IR Cut Filter	
Digital Zoom	16x	
Privacy Masking	Up to 24 zones, maximum 8 zones on a same image, multiple colors and mosaics optional	
Focus mode	Auto / semiautomatic / manual	
<b>Lens</b>		
Focal length	4.7 ~ 94mm, 20x	
Zoom speed	Approx. 2.7s (Optical Wide-Tele)	
Angle of view	58.3 ~ 3.2 degree (Wide-Tele)	
Min. working distance	10 ~ 1,500mm (Wide-Tele)	
Aperture range	F1.6 ~ F3.5	
<b>Pan and tilt</b>		
Range	Pan: 360° endless; Tilt: -5° ~ 90° (Auto Flip)	
Speed	Pan manual speed: 0.1° ~ 300°/s, pan preset speed: 540°/s 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 recording time not less than 10 minutes per pattern	
Power-off memory	Support	
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan	
PTZ position display	On / off	
Preset freezing	Support	
<b>Alarm</b>		
Alarm input	7	
Alarm output	2 relay outputs, alarm response actions configurable	
Alarm actions	Preset, patrol, pattern, sd/sdhc card recording, relay output, notification on client	
<b>Input/output</b>		
Video 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	
<b>Network</b>		
Ethernet	10Base-T / 100Base-TX, RJ45 connector	
Max image resolution	1920x1080	
Frame rate	50Hz: 25 fps (1920x1080), 25 fps (1280x960), 25 fps (1280x720); 60Hz: 30 fps (1920x1080), 30 fps (1280x960), 30 fps (1280x720)	
Image compression	H.264 / MJPEG / MPEG4	
Audio compression	G.711u / G.711a / G.726	
Protocols	IPv4, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTPS, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE	
Simultaneous Live View	Up to 10	
Streams	Three Streams	
Mini SD memory card	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm recording	
User / host level	Up to 32 users, 3 Levels: Administrator, Camera control, Live view only	
Security measures	User authentication (ID and PW); Host authentication (MAC address); IP address filtering	
<b>Integration</b>		
Application programming	Open-ended API, support Onvif, PSIA and CGI	
Web Browser	IE 7, IE 8, IE 9, Chrome 8+, Firefox 3.5+, Safari 5+, support multi-language	
<b>General</b>		
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Power	24 VAC / PoE+ Outdoor dome: Max. 40W (heater: 20W); Indoor dome: Max. 20W 24 VAC: Max. 65W (heater: 45W) High-PoE: Max. 40W (heater: 20W) PoE+: Max. 25W (heater: 5W)	
Working temperature	Outdoor dome: -30°C ~ 65°C (-22°F ~ 149°F); Indoor dome: -10°C ~ 50°C (14°F ~ 122°F) 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) PoE+: -20°C ~ 65°C (-4°F ~ 149°F)	
humidity	90% or less	
Protection level	IP66 standard (outdoor dome) TVS 4,000V lightning protection, surge protection and voltage transient protection	
Dimensions	Φ220 x 325.5mm (Φ8.66" x 12.81") (outdoor), Φ183.4 x 243mm (Φ7.22" x 9.72") (Ceiling) Φ245 x 236mm (Φ9.65" x 9.29") (in-ceiling)	
Weight (approx.)	5kg (11.02lbs)	
Mount Option (only suitable for outdoor dome)	Long-arm wall mount: DS-1614ZJ; Corner mount: DS-1633ZJ; Pole Mount: DS-1622ZJ; Power box mount: DS-1634ZJ	

#### Order models

DS-2DF5284-A: 24VAC, outdoor  
DS-2DF5284-A3: 24VAC, indoor

DS-2DF5284-AEL: High-PoE & PoE+ 24VAC, outdoor  
DS-2DF5284-AE3: PoE+ & 24VAC, indoor

NOTE: indoor models support ceiling and in-ceiling mount.