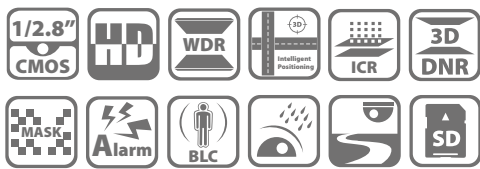


## DS-2DF7283 series

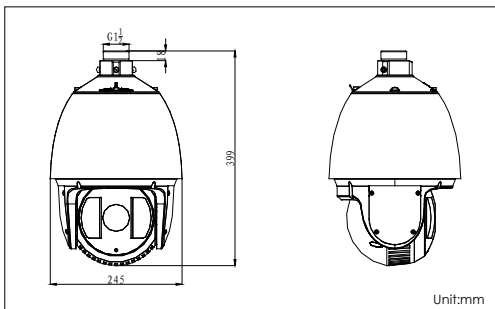
### 2MP WDR Network IR PTZ Dome Camera



#### Key features

- 1/2.8" Progressive Scan CMOS
- 20X optical zoom, 12X digital zoom
- True WDR
- True Day/Night, 3D DNR
- Up to 150m IR distance
- 3D intelligent positioning
- Triple stream

#### Dimensions



#### Accessories



#### Available models

DS-2DF7283-A: 24VAC, outdoor

|                              | DS-2DF7283-A                                                                                                                                                                                                                              |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>                |                                                                                                                                                                                                                                           |
| Image sensor                 | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                                              |
| Effective pixel              | 2230K pixels                                                                                                                                                                                                                              |
| Min. Illumination            | High sensitivity: Color: 0.5Lux@F1.6,B/W: 0.08Lux@F1.6, 0 Lux with IR<br>Normal: Color: 1.7Lux@F1.6 ,B/W: 0.26Lux@F1.6, 0 Lux with IR                                                                                                     |
| White balance                | Auto / Manual /ATW/Indoor / Outdoor / Daylight lamp / Sodium lamp                                                                                                                                                                         |
| AGC                          | Auto / Manual                                                                                                                                                                                                                             |
| S / N ratio                  | ≥ 55dB                                                                                                                                                                                                                                    |
| Digital noise reduction      | 3D DNR                                                                                                                                                                                                                                    |
| Backlight compensation       | BLC                                                                                                                                                                                                                                       |
| Wide dynamic range           | True WDR                                                                                                                                                                                                                                  |
| Shutter speed                | 50Hz: 1 ~ 1/30,000s, 60Hz: 1 ~ 1/30,000s                                                                                                                                                                                                  |
| Day & Night                  | IR Cut Filter                                                                                                                                                                                                                             |
| Digital zoom                 | 12X                                                                                                                                                                                                                                       |
| Privacy masking              | 24 privacy masks programmable, optional multiple colors and mosaics                                                                                                                                                                       |
| Focus mode                   | Auto / Semiautomatic / Manual                                                                                                                                                                                                             |
| <b>Lens</b>                  |                                                                                                                                                                                                                                           |
| Focal length                 | 4.7 ~ 94mm, 20X optical zoom                                                                                                                                                                                                              |
| Zoom speed                   | Approx. 2.3s (Optical Wide-Tele)                                                                                                                                                                                                          |
| Angle of view                | 55.4 ~ 2.9 degree (Wide-Tele)                                                                                                                                                                                                             |
| Min. Working distance        | 10 ~ 1000mm(Wide-Tele)                                                                                                                                                                                                                    |
| Aperture range               | F1.6 ~ F3.5                                                                                                                                                                                                                               |
| <b>Pan and Tilt</b>          |                                                                                                                                                                                                                                           |
| Pan / Tilt range             | Pan: 360° endless; Tilt: -2° ~ 90° (auto flip), -10° ~ 90° (auto flip) optional                                                                                                                                                           |
| Pan / Tilt speed             | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s                                                                                                                  |
| Proportional zoom            | Rotation speed can be adjusted automatically according to zoom multiples                                                                                                                                                                  |
| Number of preset             | 300                                                                                                                                                                                                                                       |
| 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         | Support                                                                                                                                                                                                                                   |
| Preset freezing              | Support                                                                                                                                                                                                                                   |
| Scheduled task               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output                                                                                                     |
| <b>Infrared</b>              |                                                                                                                                                                                                                                           |
| IR distance                  | Up to 150m                                                                                                                                                                                                                                |
| IR intensity                 | Automatically adjusted, depending on the zoom ratio                                                                                                                                                                                       |
| <b>Alarm</b>                 |                                                                                                                                                                                                                                           |
| Alarm input                  | 7 inputs                                                                                                                                                                                                                                  |
| Alarm output                 | 2 relay outputs, alarm response actions configurable                                                                                                                                                                                      |
| Alarm trigger                | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm action                 | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client                                                                                                                                                     |
| <b>Local Video&amp;Audio</b> |                                                                                                                                                                                                                                           |
| Video output                 | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC                                                                                                                                                                                             |
| Audio input                  | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%                                                                                                                                                          |
| Audio output                 | 1 Audio output interface. Line level, impedance: 600Ω                                                                                                                                                                                     |
| <b>Network</b>               |                                                                                                                                                                                                                                           |
| Ethernet                     | 10Base-T / 100Base-TX, RJ45 connector                                                                                                                                                                                                     |
| Max. image resolution        | 1920×1080                                                                                                                                                                                                                                 |
| Frame rate                   | 50Hz: 25 fps (1920×1080), 25 fps (1280×960) , 25 fps (1280×720)<br>60Hz: 30 fps (1920×1080), 30 fps (1280×960) , 30 fps (1280×720)                                                                                                        |
| Image compression            | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile                                                                                                                                                                 |
| ROI encoding                 | Support                                                                                                                                                                                                                                   |
| Audio compression            | G.711u / G.711a / G.726 / MP2L2/ G.722                                                                                                                                                                                                    |
| Protocols                    | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE                                                                                                                  |
| Simultaneous live view       | Up to 20                                                                                                                                                                                                                                  |
| Streams                      | Triple streams                                                                                                                                                                                                                            |
| SD memory card               | Built-in SD/SDHC Slot, up to 128GB, support manual / alarm / edge recording                                                                                                                                                               |
| User/Host level              | Up to 32 users, 3 Levels: Administrator, Operator and User                                                                                                                                                                                |
| Security measures            | User authentication (ID and PW), Host authentication (MAC address), IP address filtering                                                                                                                                                  |
| <b>Integration</b>           |                                                                                                                                                                                                                                           |
| Application programming      | Open-ended API, support Onvif (Profile G), PSIA and CGI, Support Genetec                                                                                                                                                                  |
| Web browser                  | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language                                                                                                                                                                     |
| <b>General</b>               |                                                                                                                                                                                                                                           |
| RS-485 protocols             | HIKVISION, Pelco-P, Pelco-D, self-adaptive                                                                                                                                                                                                |
| Power                        | 24VAC, max. 50W                                                                                                                                                                                                                           |
| Working temperature          | -30°C ~ 65°C(-22°F ~ 149°F)                                                                                                                                                                                                               |
| Humidity                     | 90% or less                                                                                                                                                                                                                               |
| Protection level             | IP66<br>TVS 4,000V lightning protection, surge protection and voltage transient protection                                                                                                                                                |
| Dimensions                   | Φ245 × 399mm (Φ9.65" × 15.71")                                                                                                                                                                                                            |
| Weight                       | Approx. 6kg(13.22lbs)                                                                                                                                                                                                                     |
| Mount option                 | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner;<br>Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box                                                                                                              |