

DS-2CD4224F-I(Z)(H)(S)



Key Features

- Up to 2 megapixel (1920×1080) @ 30 fps resolution
- Support H.264+
- Standard video compression with high compression ratio.
- Some specialized encoding functions are supported such as ROI (Region of Interest), SVC (Scalable Video Coding), etc.
- Progressive scan CMOS
- Support three streams, main stream and third stream can up to 2MP, sub-stream for mobile surveillance
- Built-in Micro SD / SDHC / SDXC card slot, up to 128GB
- High-performance and long service life Infrared LED, Approx. 20 to 30 meters(can be up to 80m with 8-20mm/8-32mm lens)
- Support motorized VF lens(-Z model)
- Support heater(-H model)
- Support 3D DNR
- Support Digital WDR
- Support Defocus Detection and alarm linkage
- Support smart face detection. People face can be detected and image encoding on face area can be automatically enhanced.
- Support Environmental Noise Filtering
- Support Audio Exception Detection, alarm will be triggered when the sound intensity is over the previous threshold.
- Support Smart Video Analysis functions such as Intrusion Detection, which can be configured on the local IE menu of camera.
- Support people counting, volume of visitor flow can be kept and exported
- IR cut filter with auto switch
- Two-way audio
- Support Smart Defog
- Support EIS
- PoE (Power over Ethernet)
- Up to 20 channels live view at the same time

- Auto-iris, electronic shutter, rotate mode for different surveillance environments
- Support local analog video output for adjustment and installation
- 3-axis (pan/tilt/rotation) positioning allows adjustment for optimum camera rotation and position
- Ingress Protection level: IP66
- LOGO picture can be overlaid on video
- Other functions: IP address filtering, anonymous access, PTZ control, alarm, reset button, mirror, etc.

Specification

| Model | DS-2CD4224F-I(Z)(H)(S) |
|-----------------------------|---|
| Parameter | 2 Megapixel CMOS Network Bullet Camera |
| Camera | |
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Min. Illumination | 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR 0.014 Lux @ (F1.4, AGC ON), 0 lux with IR |
| Shutter Speed | 1 s to 1/100,000 s |
| Slow Shutter | Support |
| Lens | No -Z: 2.8-12mm @ F1.4, angle of view: 113-33.8° 8-20mm @ F1.6, angle of view: 40°-16.5°(optional) -Z: 2.8-12mm @ F1.4, angle of view: 113-33.8° 8-32mm @ F1.4, angle of view: 31.2°-10.2°(optional) |
| Lens Mount | Ø14 |
| Auto-iris | DC drive |
| Day & Night | IR cut filter with auto switch |
| Digital Noise Reduction | 3D DNR |
| Wide Dynamic Range | DWDR |
| Compression Standard | |
| Video Compression | H.264+/H.264/MPEG4/MJPEG |
| H.264 Type | Baseline Profile / Main Profile / High Profile |
| Video Bit Rate | 32 Kbps – 16 Mbps |
| Audio Compression | G.711/G.722.1/G.726/MP2L2 |
| Audio Bit Rate | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) |
| Image | |
| Max. Resolution | 1920 × 1080 |
| Frame Rate | 50Hz: 25fps (1920 × 1080) 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 30fps (1920 × 1080) 30fps (1280 × 960), 30fps (1280 × 720) |
| Third Stream | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080) |

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|--------------------------|--|
| | 60Hz: 30fps (1920 × 1080) |
| BLC | Support |
| HLC | Support |
| Smart Defog | Support |
| EIS | Support |
| Image Setting | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser |
| Day/Night Switch | Auto/Schedule/Triggered by Alarm In |
| ROI | Support 4 different areas configuration in all the three streams with adjustable 6 levels. Automatically dynamic tracking with face detection can be configured. |
| Picture Overlay | LOGO picture can be overlaid on video with 128x128 24bit bmp format |
| Network | |
| Network Storage | NAS (Support NFS,SMB/CIFS) |
| Alarm Trigger | Intrusion detection, Line crossing detection, Defocus detection, Scene change detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour |
| Security | User Authentication, Watermark, IP address filtering, Anonymous access |
| Standard | ONVIF, PSIA, CGI, ISAPI |
| Interface | |
| Communication Interface | 1 RJ45 10M/100M Ethernet interface |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| Reset Button | Yes |
| General | |
| Operating Conditions | -30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing) -H: -40 °C – 60 °C (-40 °F – 140 °F) with smart heater on |
| Smart Heater | -H: support |
| Power Supply | 12 VDC ± 10% / PoE (802.3af) |
| Power Consumption | Max. 11 W -Z/-H: Max. 12W |
| IR Range | 2.8-12mm: Approx. 20 to 30 meters 8-20mm/8-32mm: Approx. 80 meters |
| Ingress Protection level | IP66 |
| Dimensions | 98 × 105 × 328.8 mm (3.86" ×" × 12.94") |

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|--------|-------------------|
| Weight | 1700 g (3.75 lbs) |
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* "-S" series support 1-ch audio I/O, 1-ch alarm I/O and 1-ch RS-485 interface

* "-Z" is equipped with Motorized VF lens

Order Models

DS-2CD4224F-I, DS-2CD4224F-IS, DS-2CD4224F-IZ, DS-2CD4224F-IH, DS-2CD4224F-IZS,

DS-2CD4224F-IZH, DS-2CD4224F-IHS, DS-2CD4224F-IZHS

Dimensions

