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| **DS-2CD4A24FWD-IZSUHK**  **2MP Anti-Corrosion Low Light Smart Camera** | | |  |
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| C:\Users\quzicheng\Desktop\新模板\icon\icon-08.pngD:\IPC 文档及更新\SPEC\素材\icon red\icon\icon-20.pngE:\IPC 文档及更新\SPEC\素材\icon red\icon\icon-29.pngE:\IPC 文档及更新\SPEC\素材\icon red\icon\icon-34.png | |  | |
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| Z:\国际营销中心\市场部\外部文件\Marketing Package\4-Line Smart IPC (no recommended!)\smartIPC-Logo.png | |  | |
| * 1/2.8"Progressive Scan CMOS * 1920 × 1080 @ 60fps * Color: 0.005 Lux @ (F1.2, AGC ON), 0.008 Lux @ (F1.5, AGC ON) * H.265, H.265+, H.264, H.264+ * 120dB WDR * 3D DNR * IP67,IK10,NEMA 4X | * IR light range up to 200 m * P-Iris * 6 behavior analyses * Built-in microSD/SDHC/SDXC card slot, up to 128 GB | | |

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| **Specifications** | |
| ***Camera*** | |
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Min. Illumination | Color: 0.005 lux @ (F1.2, AGC ON), 0.008 lux @ (F1.5, AGC ON)  B/W: 0.0005 lux @ (F1.2, AGC ON), 0.0008 lux @ (F1.5, AGC ON), 0 lux with IR |
| Shutter Speed | 1 s to 1/100,000 s |
| Slow Shutter | Yes |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | 120 dB |
| Angle Adjustment | Pan: 0 to 360°, tilt: 0 to 100°, rotation: 0 to 360° |
| ***Lens*** | |
| Focal length | 4.7 to 94 mm |
| Aperture | F1.5 to F3.0 |
| FOV | Horizontal FOV: 55° to 3°, vertical FOV: 31.6° to 1.8°, diagonal FOV: 62° to 3.6° |
| P-Iris | Yes |
| Lens Mount | Integrated |
| ***IR*** | |
| IR Range | Up to 200 m |
| Wavelength | 850 nm |
| ***Compression Standard*** |  |
| Video Compression | Main stream: H.265/H.264  Sub-stream: H.265/H.264/MJPEG  Third stream: H.265/H.264 |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.264+ | Main stream supports |
| H.265 Type | Main Profile |
| H.265+ | Main stream supports |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| SVC | H.264 and H.265 encoding |
| ***Smart Feature-set*** |  |
| Perimeter Protection | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection |
| Exception Detection | Scene change detection, defocus detection, audio detection |
| Statistics | Counting |
| Face Detection | Yes |
| Region of Interest | 4 fixed regions for main stream, sub stream, third stream and dynamic tracking |
| ***Image*** | |
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720)  60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240) |
| Third Stream | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240)  60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240) |
| Image Enhancement | BLC, HLC, 3D DNR, Defog, EIS |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser |
| Target Cropping | Yes |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format |
| ***Network*** | |
| Network Storage | microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR |
| Alarm Trigger | Motion detection, video tampering alarm, network disconnected, IP address conflict, HDD full, HDD error |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour |
| General Function | One-key reset, anti-flicker, three streams, heartbeat, mirror. password protection, privacy mask, watermark, IP address filter |
| Firmware Version | 5.5.83 |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Client | iVMS-4200, Hik-Connect |
| Web Browser | IE 8+, Chrome 41.0-44, Mozilla Firefox 30.0-51, Safari 8.0+ |
| ***Interface*** |  |
| Audio | 1 input (line in/mic in, 3.5 mm), 1 output (3.5 mm), mono sound |
| Communication Interface | 1 RJ45 10M/100M Ethernet port,  1 RS-485 interface (with –S model) |
| Alarm | 1 input, 1 output (max. 24 VDC, 1A or 110 VAC, 500 mA) |
| Video Output | 1Vp-p composite output (75 Ω/BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC slot, up to 128 GB |
| Reset Button | Yes |
| ***Audio*** |  |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM |
| Audio Bit Rate | 64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps(G.726)/32-192 Kbps(MP2L2) |
| ***General*** | |
| Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F), -H: -40 °C to 60 °C (-40 °F to 140 °F)  Humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 20%, three-core terminal block  PoE (802.3at, class 3) |
| Power Consumption and Current | 12 VDC, 1.3 A, max. 15 W; PoE (802.3at, 42.5 V to 57 V), 0.4 A to 0.2 A, max. 15 W |
| Protection Level | IP67,IK10,NEMA 4X |
| Material | Metal |
| Dimensions | Camera: 348.4 × 114.2 ×111.7 mm (13.7" × 4.5" × 4.4")  With package: 386 × 156 × 155 mm (15.2" × 6.1" × 6.1") |
| Weight | Camera: 1500 g (3.3 lb.)  With package: 2100 g (4.6 lb.) |

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| **Available Model** |
| DS-2CD4A24FWD-IZSUHK (4.7-94 mm) |

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| **Dimension** |
| Unit: mm(inch)  **Accessories**   |  |  | | --- | --- | |  |  | | DS-1275ZJ-SUS  Vertical Pole Mount | DS-1276ZJ-SUS  Corner Mount | |

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