

# DS-2CD4D26FWD-IZ(S) 2.0 MP Ultra Low Light Smart Dome Camera



















The Darkfighter series ultra-low light smart cameras are able to capture high quality colored images in dim light environment. DS-2CD4D26FWD-IZ(S) offers full HD resolution, 120dB WDR, Auto-iris, PoE, Defog, EIS, 3D DNR, 6 behavior analyses, 1 exception detection, and face detection to meet a wide variety of applications.

- 1/1.8" Progressive Scan CMOS
- Auto-iris
- 1920 × 1080 @ 30fps
- Ultra-low light
- H.265, H.265+
- 120dB WDR
- IP66
- 6 behavior analyses, 1 exception detection, and face detection





## **Function Description**

#### **Smart**

- 6 behavior analyses, 1 exception detection, and face detection
- Smart recording: Support edge recording and dual-VCA
- Smart encoding: Support low bit rate, low latency, ROI enhance encoding

### **Image**

- 1920 × 1080 @30fps
- Support rotate mode, suitable for environment as corridor
- Support target cropping, details can be seen with low bandwidth
- Streaming smoothness setting for different requirements of image quality and fluency
- Support H.265+/H.265/H.264+/H.264/MJPEG video compression, multi-level video quality configuration; support Baseline Profile/Main Profile/High Profile H.264 encoding complexity, and Main Profile H.265 encoding complexity
- Multiple OSD color: Black & white self-adaptive; Custom
- 120dB WDR is supportable for backlight environment
- Support defog, BLC, EIS

## System

- Support ONVIF (profile S/profile G), CGI, PSIA, ISAPI protocol
- Support three streams, and Support 20 channels live view at the same time
- Lightening protection, surge protection, voltage transient protection, anti-static protection

## **Interface**

- Support standard 128G Micro SD/SDHC/SDXC card storage
- Support 10M/100M Ethernet port
- Support Audio I/O, dual-track, RS-485 (-S)
- Support Alarm I/O (-S)
- Support CVBS analog output (4CIF resolution)

## Security

- Support three-level user authentication management, user and password authorization, and IP address filtering
- Support security certificate as HTTPS
- Lock user IP after certain times failed login attempts



# **Specifications**

Image Sensor	Camera	
MM. Humination  A/W. 0.0002 Lux @ (F1.2, AGC ON), 0.00027 Lux @ (F1.4, AGC ON), 0 Lux with IR*  Shutter Speed  1 s - 1/100,000 s  Slow Shutter  Lens  2.8 - 12 mm F1.4, horizontal angle of view 90.1* - 31*  Lens Mount  D14  Auto-iris  DC drive  Day & Night  R Cut Filter  Digital Noise Reduction  3D DNR  WDR  120dB  3-axis Adjustment  Pan: 0* to 355*, till: 0* to 70*, rotate: 0* to 355*  Compression Standard  Wideo Compression  Main stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG H.264 Type  Baseline Profile/Main Profile/High Profile H.265 Type  Main Profile H.265 Support H.265 Support Wideo Bit Rate  32 Kbps − 16 Mbps Audio Compression  G.711/G.722.1/G.726/MP212/PCM Audio Bit Rate  32 Kbps − 16 Mbps Audio Compression  G.711/G.722.1/G.726/MP212/PCM Audio Bit Rate  32 Kbps − 16 Mbps Audio Sit Rate  32 Kbps − 16 Mbps Audio Bit Rate  34 Kbps (G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-19Zkbps(MP212)  Max. Resolution  1920 × 1080  Main Stream  60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Third Stream  80Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 240, 320 × 240)  Third Stream  80Hz: 710/J. D. MR. Pofe/EIS  Image Enhancement  BLC/HLC/JD DNR/Defo/EIS  Image Setting  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Begion of Interest  Support A fixed region for each stream, and dynamic face tracking  Target Cropping  Support  Logon Julia Switch  Auto/Schedule/Triggered by Alarm In (-5)  Picture Overlay  Logon Julia Switch  Auto/Schedule/Triggered by Alarm In (-5)  Picture Overlay  Chylis Cim Hirty, HTTP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPPP, SMTP, SMM  Alarm Trigger  Alarm Trigge	Image Sensor	1/1.8" Progressive Scan CMOS
Support	Min. Illumination	
Lens Mount   D14 Auto-iris   Dc drive   Day & Night   R Cut Filter   Digital Noise Reduction   30 DNR WDR   120dB   3-Axis Adjustment   Pan: 0" to 355", tilt: 0" to 70", rotate: 0" to 355"  Wilt: 0" to 70", rotate: 0" to 355"   Wilt: 0" to 70", rotate: 0" to 70", rotate: 0" to 70", rotate: 0" to 7	Shutter Speed	1 s - 1/100,000 s
Lens Mount         014           Auto-iris         Dc drive           Day & Night         IR Cut Filter           Digital Noise Reduction         IR Cut Filter           WDR         120dB           3-Axis Adjustment         Pan: 0" to 355", tilt: 0" to 70", rotate: 0" to 355"           Compression Standard           Walson Standard           Wideo Compression         Main stream: H.265/H.264 MyIPEG           H.264 Type         Baseline Profile/Main Profile           H.264 Type         Baseline Profile/Main Profile           H.265 Type         Main Profile           H.264 Type         Baseline Profile/Main Profile           H.265 Type         Main Profile           H.265 Type         Main Profile           H.265 Type         Main Profile           H.265 H.264 Support         Video Bit Rate         32 X X X X X X X X X X X X X X X X X X X	Slow Shutter	Support
Auto-iris	Lens	2.8 – 12 mm F1.4, horizontal angle of view 90.1° - 31°
Dy & Night         IR Cut Filter           Digital Noise Reduction         3D DNR           WDR         120dB           3-Axis Adjustment         Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°           Compression Standard         Main stream: H.265/H.264           Video Compression         Main stream: H.265/H.264/MJPEG           Third stream: H.265/H.264/MJPEG           Third stream: H.265/H.264/MJPEG           H.264 Type         Baseline Profile/Main Profile           H.264+         Support           H.265 Type         Main Profile           M.265 Type         Main Profile           H.265 Type         Main Profile           M.265 Type         Main Profile           M.266 Type Type Type Type Type Type Type Type	Lens Mount	Ф14
Digital Noise Reduction  JD DNR  J20dB  3-Axis Adjustment  Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°  Compression Standard  Main stream: H. 265/H. 264 Sub stream: H. 265/H. 264/MJPEG Third stream: H.	Auto-iris	DC drive
WDR	Day & Night	IR Cut Filter
3-Axis Adjustment Pan: 0" to 355", tilt: 0" to 70", rotate: 0" to 355"  Compression Standard  Video Compression  Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG H.264 Type Baseline Profile/Main Profile H.265+ Bupport H.265 Type Main Profile H.265 Type Main Profile H.265 Support Video Bit Rate 32 Kbps – 16 Mbps Audio Compression G.711/G.722.1/G.726/MP2L2/PCM Audio Bit Rate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-19ZKbps(MP2L2)  Image  Max. Resolution 1920 × 1080 Main Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (704 × 576, 640 × 480, 352 × 248, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) Image Enhancement BLC/HLC/3D DNR/Defog/EIS Image Setting Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser Region of Interest Support 4 fixed region for each stream, and dynamic face tracking Target Cropping Support Day/Night Switch Auto/Schedule/Triggered by Alarm In (-S) Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network Network Network TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPDE, NTP, UPPP, SMTP, SMM	Digital Noise Reduction	3D DNR
Video Compression  Main stream: H.265/H.264  Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG H.264 Type Baseline Profile/Main Profile/High Profile H.265 Type Main Profile H.265 Type Main Profile H.265 Type Main Profile Main P	WDR	120dB
Main stream: H.265/H.264   Sub stream: H.265/H.264/MIPEG   H.264 Type   Baseline Profile/Main Profile/High Profile   H.264 Type   Main Profile   H.265 Type   Main Profile   H.266 Type   Main Profile   H.267 Type   Main Profile   H.268 Type   Main Profile   H.269 Type   Main Profile   H.260 Type   Main Profile   H.261 Type   Main Profile   H.261 Type   Main Profile   H.262 Type   Main Profile   H.262 Type   Main Profile   H.262 Type   Main Profile   H.263 Type   Main Profile   H.264 Type   Main Profile   H.265 Type   Main Profile   H.265 Type   Main Profile   H.261 Type   Main Profile   H.262 Type   Main Profile   H.263 Type   Main Profile   H.263 Type   Main Profile   H.264 Type   Main Profi	3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°
Video Compression     Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG       H.264 Type     Baseline Profile/Main Profile       H.264 +     Support       H.265 Type     Main Profile       H.265 Type     Main Profile       H.265 Type     Main Profile       H.265 +     Support       Video Bit Rate     32 Kbps – 16 Mbps       Audio Compression     G.711/G.722.1/G.726/MP2L2/PCM       Audio Bit Rate     64kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)       Image     Image       Max. Resolution     1920 × 1080       Main Stream     50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)       60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)     60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)       Sub Stream     50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240)       60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)       60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)       Image Enhancement     BLC/HLC/3D DNR/Defog/EIS       Image Setting     Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser       Region of Interest     Support 4 fixed region for each stream, and dynamic face tracking       Target Cropping     Support       Day,Night Switch     Auto/Schedule/Triggered by Alarm In (-S)	Compression Standard	
H.264+ H.265 Type Main Profile H.265 Type Main Profile H.265+ Support Video Bit Rate 32 Kbps – 16 Mbps Audio Compression G.711/G.722.1/G.726/MP2L2/PCM Audio Bit Rate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2) Image  Max. Resolution 1920 × 1080 Main Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) Sub Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Third Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) Image Enhancement BLC/HLC/3D DNR/Defog/EIS Image Setting Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser Region of Interest Support 4 fixed region for each stream, and dynamic face tracking Target Cropping Support Day/Night Switch Auto/Schedule/Triggered by Alarm In (-S) Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network Network Storage Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPP0E, NTP, UPPP, SMTP,	Video Compression	Sub stream: H.265/H.264/MJPEG
H.265 Type Main Profile H.265+ Support Video Bit Rate 32 Kbps - 16 Mbps Audio Compression G.711/G.722.1/G.726/MP2L2/PCM Audio Bit Rate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  Image  Max. Resolution 1920 × 1080  Main Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) Third Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240) Image Enhancement BLC/HLC/3D DNR/Defog/EIS Image Setting Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser Region of Interest Support 4 fixed region for each stream, and dynamic face tracking Target Cropping Support Day/Night Switch Auto/Schedule/Triggered by Alarm In (-5) Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network Network Storage Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPP0E, NTP, UPPP, SMTP, S	H.264 Type	Baseline Profile/Main Profile/High Profile
H.265+ Support  Video Bit Rate 32 Kbps – 16 Mbps  Audio Compression G.711/G.722.1/G.726/MP2L2/PCM  Audio Bit Rate 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  Image  Max. Resolution 1920 × 1080  Main Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)  Third Stream 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Image Enhancement BLC/HLC/3D DNR/Defog/EIS  Image Setting Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping Support  Day/Night Switch Auto/Schedule/Triggered by Alarm In (-S) Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network Storage Support Motion SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPP0E, NTP, UPnP, SMTP, SM	H.264+	Support
Video Bit Rate  32 Kbps – 16 Mbps  Audio Compression  G.711/G.722.1/G.726/MP2L2/PCM  Audio Bit Rate  64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  Image  Max. Resolution  1920 × 1080  Main Stream  50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)  Third 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 × 576, 640 × 480, 352 × 288, 320 × 240)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Image Setting  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network Storage  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPPP, SMTP,	H.265 Type	Main Profile
Audio Compression  G.711/G.722.1/G.726/MP2L2/PCM  Audio Bit Rate  64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  Image  Max. Resolution  1920 × 1080  Main Stream  50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Third 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 × 576, 640 × 480, 352 × 288, 320 × 240)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Image Setting  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Network Storage  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	H.265+	Support
Audio Bit Rate  64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  Image  Max. Resolution  1920 × 1080  Sub Stream  50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 288, 320 × 240)  Third Stream  50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Image Setting  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Network  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Video Bit Rate	32 Kbps – 16 Mbps
ImageMax. Resolution1920 × 1080Main Stream50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)Sub Stream50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)Third Stream50Hz: 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)Image EnhancementBLC/HLC/3D DNR/Defog/EISImage SettingRotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browserRegion of InterestSupport 4 fixed region for each stream, and dynamic face trackingTarget CroppingSupportDay/Night SwitchAuto/Schedule/Triggered by Alarm In (-S)Picture OverlayLOGO picture can be overlaid on video with 128 × 128 24bit bmp formatNetworkNetworkNetwork StorageSupport Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANRAlarm TriggerMotion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD errorProtectedsTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Main Stream  50H2: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60H2: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  50H2: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60H2: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)  Third Stream  50H2: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Third Stream  50H2: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Image Setting  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Alarm Trigger  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Main Stream  50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)  Third 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)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Alarm Trigger  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Image	
Sub Stream  60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)  Sub Stream  50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240)  60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)  Third 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)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Image Setting  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Max. Resolution	1920 × 1080
Sub Stream  60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)  Third 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)  Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Main Stream	
Image Enhancement  BLC/HLC/3D DNR/Defog/EIS  Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser  Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  Network  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Sub Stream	
Region of Interest Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping Support  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Third Stream	
Region of Interest  Support 4 fixed region for each stream, and dynamic face tracking  Target Cropping  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Alarm Trigger  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Image Enhancement	BLC/HLC/3D DNR/Defog/EIS
Target Cropping  Support  Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Image Setting	
Day/Night Switch  Auto/Schedule/Triggered by Alarm In (-S)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Region of Interest	Support 4 fixed region for each stream, and dynamic face tracking
Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Network  Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Target Cropping	Support
Network         Network Storage       Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR         Alarm Trigger       Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error         Protocols       TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Day/Night Switch	Auto/Schedule/Triggered by Alarm In (-S)
Network Storage  Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNM	Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Alarm Trigger  Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Network	
HDD full, HDD error  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNM	Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
	Alarm Trigger	, , , , , , , , , , , , , , , , , , , ,
	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, password protection, privacy mask, watermark, IP address filter
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Audio	With –S model: 1 input (line in), 1 output, dual-track
Communication Interface	1 RJ45 10M/100M Ethernet port, with –S model: 1 RS-485 interface
Alarm	With –S model: 2 inputs, 2 outputs (up to DC24V 1A or AC110V 500mA)
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	Support
Audio I/O	Support
Audio Sampling Rate	Max. 48 kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Line Crossing Detection	Cross a pre-defined virtual line, up to 4 pre-defined virtual lines supported
Intrusion Detection	Enter and loiter in a pre-defined virtual region, up to 4 pre-defined virtual regions supported
Region Entrance Detection	Enter a pre-defined virtual region from the outside place
Region Exit Detection	Exit from a pre-defined virtual region
Object Removal Detection	Objects removed from the pre-defined region, such as the exhibits on display.
Unattended Baggage Detection	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Exception Detection	Scene change detection
Face Detection	Human face appears in the image can be detected and trigger linkage method
General	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 20%, PoE (802.3af, class 3) Terminal block for DC input
Power Consumption and Current	12 V DC ± 20%: max. 9W/0.75A PoE (802.3af): max. 10W/0.21A
IR Range	10 m to 30 m
Protection Level	IP66
Dimensions	Φ145.96 × 133.5 mm (Φ5.75" × 5.26")
Weight	1200 g (2.65 lbs)

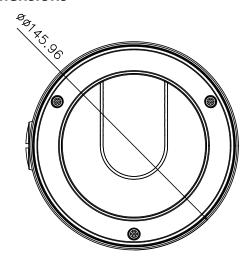
## **Available Models:**

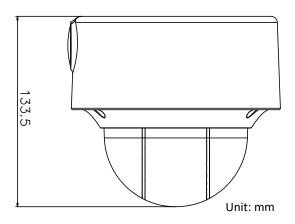
DS-2CD4D26FWD-IZ; DS-2CD4D26FWD-IZS

<sup>\*</sup>-S: with 1 audio input (line in), 1 audio output, 1 RS-485, 2 alarm inputs and 2 alarm outputs



## **Dimensions**





## **Accessories**



DS-1273ZJ-DM32 Wall Mount



DS-1271ZJ-DM32
Pendant Mount



DS-1275ZJ Vertical Pole Mount



DS-1276ZJ Corner Mount

Distributed by

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