

DS-2CD41C5F-IZ 4K Smart Indoor Dome Camera







Smart Detection

Intrusion Detection, Line Crossing Detection, Object Left/Removal, Area Entering/Leaving, Scene Change Detection, Audio Surge Detection, Audio Loss Detection, Defocus Detection, Face Detection, Object Counting, etc.

Smart Codec

Smart Recording with dual-VCA, Low Bitrate, Low Latency, ROI enhancement, Multi-stream, Rotate Mode, Edge Recording, etc.

Smart Image Control

Support distortion correction



The 4K series Smart cameras are able to capture super high quality images.

DS-2CD41C5F-IZ offers 12MP HD resolution with up to 15fps frame rate, DWDR, PoE, Defog, 3D DNR and complete Smart Feature-set to meet a wide variety of applications.

- 1/1.7" Progressive Scan CMOS
- 4000 × 3000 @15fps frame rate
- Slow shutter
- DWDR
- 3D DNR
- Up to 30m IR range
- Motorized lens with Smart Focus
- Audio/Alarm IO
- Support 128G on-board storage
- DC12V/PoE



Key Features

Smart

- 6 behavior analysis, 4 exception detections, 1 recognition, 1 statistic function.
- Smart recording: Support edge recording and dual-VCA.
- Smart encoding: Support low bit rate; low latency; ROI enhance encoding
- Smart lens options: AF lens

Image

- HD 4000 × 3000@15fps
- Supports image distortion correction
- Support rotate mode, suitable for environment as corridor.
- Support regional cropping, details can be seen with low bandwidth.
- Code smoothness setting for different requirements of image quality and fluency.
- Support H.264+/H.264/MJPEG video compression, multi-level video quality configuration; support Basic/Main/High Profile H.264 encoding complexity.
- Multiple OSD color: Black & white self-adaptive; Custom
- Digital WDR is supportable for backlight environment.
- Support defog, BLC, HLC.

Infrared

- Irradiation distance is up to 30m
- Smart IR, prevent over-exposure in close distance

System

- Support ONVIF (profile S/profile G), CGI, PSIA, ISAPI protocol.
- Support three streams, and Support 20 channels live view at the same time.
- AF automatic fast focus, maintain focused during zooming
- Anti-surge, anti-static, IK10 protection level.

Interface

- Support standard 128G Micro SD/SDHC/SDXC card storage.
- Support 10M/100M/1000M Ethernet Port.
- Support Audio I/O, support dual channel stereo audio.
- Support Alarm I/O
- Support CVBS analog output (4CIF resolution)

Security

- Support three-level user authentication management, user and password authorization, IP address filtering and anonymous access.
- Support security certificate as HTTPS, SSH; support creating certificate.
- Basic and digest authentication is supportable in IE configuration
- Lock user IP for many times error login



DS-2CD41C5F-IZ 4K Smart Indoor Dome Camera

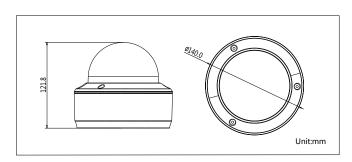


Specification

Day & Night IR cut filter with auto switch DWDR DWDR Compression Standard H.264+/H.264/MJPEG H.264-Ytype Baseline Profile / Main Profile / High Profile Video Gompression H.264-Ytype 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 4000 × 3000 SOH2: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60H2: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Independent with Main Stream and Sub Stream, up to 50/60H2: 10fps(1280 × 720) Image Enhancement BLC/HLC/30 DNR/ROI/Defog Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Support Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Storage NAS (Support NFS,SMB/CIFS), ANR Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception TCP/IP, UDP, ICMP, HTTP, HTTP, TTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPPP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(POFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Value Val	Camera	
Min. Illumination	Image Sensor	1/1.7" Progressive Scan CMOS
Shutter Support		
Slow Shutter Support		
Lens Mount 0,14 Angle Adjustment Pan: 0" "355", tilt: 0" "75", rotation: 0" "355" Auto-iris DC drive Day & Night IR cut filter with auto switch WDR DWDR Compression Standard Video Compression H.264+/H.264 / MJPEG H.264 Type Baseline Profile / Main Profile / High Profile Video Bit Rate 32 Kbps – 16 Mbps Audio Compression G. 11/G-722-1/G-726/MP2L2 Audio Bit Rate G4Kbps(G-711) / 16Kbps(G-722.1) / 16Kbps(G-726) / 32-128Kbps(MP2L2) Image Max. Resolution 4000 × 3000 S0Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160), 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) CoHz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps(1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Blands Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Support Distortion Correction Support Distortion Correction Support Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, FTP, DHCP, DNS, DNS, RTP, RTSP, RTCP, PPPOE, NTP, UPP, SMTP, SNMP, IGMP, 802.1XP, Quest, IVP, SNAP, CIG, ISAPI Interface Audio ONVIF/PROFILE S, PROFILE G), PSIA, CIG, ISAPI Interface 1 R145 10M1/00M/100M/100M Ethernet port, 1 RS-485 interface Allarm 1 input, 1 output (up to DC24V 1A or ActIOV 500mA) Video Output 10p- composite output (75 Q/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	·	
Lens Mount		
Angle Adjustment Auto-iris DC drive Day & Night IR cut filter with auto switch DWDR Compression Standard Video Compression H.264+/H.264/ MJPEG H.264 Type Baseline Profile / Main Profile / High Profile Video Bit Rate 32 Kbps – 16 Mbps Audio Compression Audio Bit Rate 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) Image Max. Resolution 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Slockhing BLC/HLC/3D DNR/ROI/Defog Image Enhancement BLC/HLC/3D DNR/ROI/Defog Blostrition Correction Day/Night Switch Picture Overlay LOGO picture can be overlaid on video with 128×128 24bit bmp format Network Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UDPP, SMTP, SMMP, IGMR, 800.21, X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface 1 Input, 1 output (up to DC24V1 Ao ra AC110V 500mA) Video Output Up-p composite output (75 Q/BNC) On-board storage Built-in Micro SD/SDHC/SDNC slot, up to 128 GB		
Auto-iris DC drive Day & Night IR cut filter with auto switch DWDR Compression Standard Video Compression H.264+/H.264/ MJPEG H.264 Type Baseline Profile / Main Profile / High Profile Video Bit Rate 32 Kbps – 16 Mbps Audio Compression G. 7.11/6.722.1/G.726/MP2L2 Audio Bit Rate 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) Image Max. Resolution 4000 × 3000 / 2000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)		
Day & Night IR cut filter with auto switch DWDR DWDR Compression Standard H.264+/H.264/MJPEG H.264-Ytype Baseline Profile / Main Profile / High Profile Video Gompression H.264-Ytype 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 4000 × 3000 SOH2: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60H2: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Independent with Main Stream and Sub Stream, up to 50/60H2: 10fps(1280 × 720) Image Enhancement BLC/HLC/30 DNR/ROI/Defog Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Support Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Storage NAS (Support NFS,SMB/CIFS), ANR Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception TCP/IP, UDP, ICMP, HTTP, HTTP, TTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPPP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(POFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Value Val	Auto-iris	
WDR Compression Standard Video Compression H.264+/H.264/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 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Blc/HLc/3D DNR/ROI/Defog Image Enhancement BLC/HLc/3D DNR/ROI/Defog Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPPP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI Interface Audio 1-ch 3.5 mm audio in/Mic in/Line in/Jout interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface 1 Input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1Vp-p composite output (75 O/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB		
Video Compression H.264+/H.264/ 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) Mage Max. Resolution 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Frame Rate 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps (1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Distortion Correction Support Distortion Correction Support Distortion Correction Logo picture can be overlaid on video with 128x128 24bit bmp format Network Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Terotocols TCP/IP, UDP, ICMP, HTTP, HTTP, FTP, DHCP, DNs, DDNs, RTP, RTSP, RTCP, PPPG, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI Interface Audio 1-ch 3.5 mm audio in/Mic in/Line in/Jout interface Communication 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface 1 Input, 1 output (up to DC24V 1a or AC110V 500ma) Video Output 1Vp-p composite output (75 O/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB		
Nideo Compression H.264 Type Baseline Profile / Main Profile / High Profile Video Bit Rate 32 Kbps – 16 Mbps 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 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (40000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps(1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Security User Authentication, Watermark, IP address filtering, Anonymous access Security User Authentication, Watermark, IP address filtering, Anonymous access Communication 1 R145 10M/100M/1000M Ethernet port, 1 RS-485 interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication 1 R145 10M/100M/1000M Ethernet port, 1 RS-485 interface 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1 Vip-p composite output (75 O/BNC) On-board storage		
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 64Kbps(G.712) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) / 16Mbps Audio Bit Rate 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) / 16Mbps Audio Bit Rate 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) / 16Mbps Audio	•	H 264+/H 264/ MIPEG
Video Bit Rate 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 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Frame Rate 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps (1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, SNMP, IGMP, 802.1X, QoS, IPV6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1/Pp- composite output (75 O/8NC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB		
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 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps(1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Image Setting Support Dayloride Bucket Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Dayloride Bucket Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Dayloride Dayloride Bucket Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Dayloride Dayloride Dayloride Bucket Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Dayloride Daylo	* *	-
Audio Bit Rate Max. Resolution		
ImageMax. Resolution4000 × 3000Frame Rate50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)Third StreamIndependent with Main Stream and Sub Stream, up to 50/60Hz: 10fps (1280 × 720)Image EnhancementBLC/HLC/3D DNR/ROI/DefogImage SettingRotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browserRegional CroppingSupportDistortion CorrectionSupportDay/Night SwitchAuto/Schedule/Triggered by Alarm InPicture OverlayLOGO picture can be overlaid on video with 128x128 24bit bmp formatNetworkNAS (Support NFS,SMB/CIFS), ANRAlarm TriggerMotion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exceptionProtocolsTCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, BonjourSecurityUser Authentication, Watermark, IP address filtering, Anonymous accessStandardONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPIInterfaceAudioCommunication1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interfaceAlarm1 input, 1 output (up to DC24V 1A or AC110V 500mA)Video Output1Vp-p composite output (75 Ω/BNC)On-board storageBuilt-in Micro SD/SDHC/SDXC slot, up to 128 GB		
Max. Resolution 4000 × 3000 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps(1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface Alarm 1 input, 1 output (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		0 maps(c): 11/7 10maps(c): 21/1/7 10maps(c): 20/7 32 120maps(m): 212/
Frame Rate 50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160), 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) Third Stream Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps(1280 × 720) Image Enhancement BLC/HLC/3D DNR/ROI/Defog Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface Alarm 1 input, 1 output (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	-	4000 × 3000
Image Enhancement BLC/HLC/3D DNR/ROI/Defog Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in/Mic in/Line in)/out interface Communication Interface Alarm 1 input, 1 output (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	Frame Rate	50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 ×
Image Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Third Stream	Independent with Main Stream and Sub Stream, up to
browser Regional Cropping Support Distortion Correction Support Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Image Enhancement	BLC/HLC/3D DNR/ROI/Defog
Distortion Correction Day/Night Switch Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1 Vp-p composite output (75 Ω/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Day/Night Switch Auto/Schedule/Triggered by Alarm In Picture Overlay LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Network Storage NAS (Support NFS,SMB/CIFS), ANR Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1 VP-p composite output (75 Ω/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Regional Cropping	Support
Picture OverlayLOGO picture can be overlaid on video with 128x128 24bit bmp formatNetworkNAS (Support NFS,SMB/CIFS), ANRAlarm TriggerMotion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exceptionProtocolsTCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, BonjourSecurityUser Authentication, Watermark, IP address filtering, Anonymous accessStandardONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPIInterfaceAudioCommunication Interface1-ch 3.5 mm audio in(Mic in/Line in)/out interfaceCommunication Interface1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interfaceAlarm1 input, 1 output (up to DC24V 1A or AC110V 500mA)Video Output1Vp-p composite output (75 Ω/BNC)On-board storageBuilt-in Micro SD/SDHC/SDXC slot, up to 128 GB	Distortion Correction	Support
NetworkNetwork StorageNAS (Support NFS,SMB/CIFS), ANRAlarm TriggerMotion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exceptionProtocolsTCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, BonjourSecurityUser Authentication, Watermark, IP address filtering, Anonymous accessStandardONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPIInterfaceAudioCommunication Interface1-ch 3.5 mm audio in(Mic in/Line in)/out interfaceCommunication Interface1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interfaceAlarm1 input, 1 output (up to DC24V 1A or AC110V 500mA)Video Output1Vp-p composite output (75 Ω/BNC)On-board storageBuilt-in Micro SD/SDHC/SDXC slot, up to 128 GB	Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Network StorageNAS (Support NFS,SMB/CIFS), ANRAlarm TriggerMotion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exceptionProtocolsTCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, BonjourSecurityUser Authentication, Watermark, IP address filtering, Anonymous accessStandardONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPIInterfaceAudio1-ch 3.5 mm audio in(Mic in/Line in)/out interfaceCommunication Interface1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interfaceAlarm1 input, 1 output (up to DC24V 1A or AC110V 500mA)Video Output1Vp-p composite output (75 Ω/BNC)On-board storageBuilt-in Micro SD/SDHC/SDXC slot, up to 128 GB	Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Alarm Trigger Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Network	
Protocols TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Network Storage	NAS (Support NFS,SMB/CIFS), ANR
SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Standard ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Protocols	
Interface Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Security	User Authentication, Watermark, IP address filtering, Anonymous access
Audio 1-ch 3.5 mm audio in(Mic in/Line in)/out interface Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Communication Interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface Alarm 1 input, 1 output (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	Interface	
Interface Alarm 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1 Vp-p composite output (75 Ω/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Audio	1-ch 3.5 mm audio in(Mic in/Line in)/out interface
Video Output 1Vp-p composite output (75 Ω/BNC) On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Interface	
On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB		
	·	
	On-board storage Reset Button	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB Yes



Dimensions



Audio	
Environment Noise Filtering	Support
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
General	
Impact Protection	IK10
Operating Conditions	-30°C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 10%, PoE (802.3af)
IR Distance	Up to 30m
Power Consumption	Max. 9 W
Dimensions	Φ 140×121.8 mm (Φ 5.51" × 4.80")
Weight	1400 g (3.09 lbs)
Order Models DS-2CD41C5F-IZ	

Accessories



DS-1273ZJ-130B
Wall Mount with junction box



DS-1273ZJ-130 Wall Mount



DS-1271ZJ-130 Pendant Mount



DS-1227ZJ In-ceiling Mount