

DS-2CD4585F-IZ(H) 4K Smart Outdoor Dome Camera

















DS-2CD4585F-IZ(H) is Hikvision Smart IPC and features complete Smart functions including:

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-2CD4585F-IZ(H) offers 8MP HD resolution with up to 22fps frame rate, DWDR, PoE, Defog, 3D DNR and complete Smart Feature-set to meet a wide variety of applications.



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 4096 × 2160@22fps
- 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 40m
- 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
- Smart heater for starting in extra low temperature (-H optional)
- Anti-surge, anti-static, IP66 & 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



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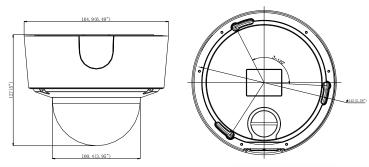


Specification

Min. Illumination 0.009 Lux @ (F1.2, AGC ON), 0.012Lux @ (F1.4, AGC ON), 0 Lux with IR shutter Speed 1s ~ 1/100,000s Sibury Shutter 2.8~ 12mm @ F1.4, 96.0°~32.6° Lens Mount 4.14 Angle Adjustment 4.16 Angle Adjustment 4.17	Camera	
Shutter Speed 1s ~ 1/100,000s Slow Shutter Support Lens Support 2.8m2pm @ F1.4, 96.0~32.6* Lens Mount 014 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 DWDR DWDR DWDR DWDR DWDR DWDR	Image Sensor	1/1.7" Progressive Scan CMOS
Support 2.8*12mm @ F1.4, 96.0**32.6* 2.8*12mm @ F1.4, 96.0**32.6	Min. Illumination	0.009 Lux @ (F1.2, AGC ON), 0.012Lux @ (F1.4, AGC ON), 0 Lux with IR
2.8*12mm @ F1.4, 96.0*32.6* 40.14 Angle Adjustment Pan: 0* "355*, tillt: 0* "75*, rotation: 0* "355* Auto-iris Doy & Night IR Cut Filter with auto switch DWDR DWDR Compression Standard Video Compression 4.264 Type Baseline Profile / Main Profile / High Profile 32 kbps — 16 Mbps Audio Doynerssion G, 711/G,722.1/G,726/MP2L2 Audio 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) Max. Resolution 4096 × 2160 Frame Rate 604c; 22fps (4096 × 2160), 23fps (3840 × 2160), 30fps (1920 × 1080, 1280 × 720) Frame Rate 604c; 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (1920 × 1080, 1280 × 720) Independent with Main Stream and Sub Stream, up to 50/604c; 10fps (1280 × 720) Mage Enhancement BLC/3D DNR/ROI/Defog Mage Setting Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Support Support Joseph S	Shutter Speed	1s ~ 1/100,000s
Angle Adjustment Angle Angle Adjustment Angle A	Slow Shutter	Support
Auto-iris DC drive DC drive IR Cut Filter with auto switch DWDR DWDR DWDR DWDR DWDR DWDR DWDR DWD	Lens	2.8~12mm @ F1.4, 96.0°~32.6°
Auto-iris DC drive Day & Night IR Cut Filter with auto switch DWDR DWDR DWDR DODR DODR	Lens Mount	Ф14
Day & Night IR Cut Filter with auto switch DWDR DWDR	Angle Adjustment	Pan: 0° ~355° , tilt: 0° ~75° ,rotation: 0° ~355°
Available 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) Max. Resolution 4096 × 2160 Frame Rate 50Hz: 22fps (4096 × 2160), 25fps (3840 × 2160, 1920 × 1080, 1280 × 720) 60Hz: 22fps (4096 × 2160), 25fps (3840 × 2160), 30fps(1920 × 1080, 1280 × 720) Independent with Main Stream and Sub Stream, up to 50/60Hz: 10fps(1280 × 720) mage Enhancement BLC/3D DNR/ROI/Defog Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Distortion Correction Support Distortion Correction Support Distortion Correction LOGO picture can be overlaid on video with 128x128 24bit bmp format Vetwork Vetwork Storage NAS (Support NFS,SMB/CIFS), ANR Narm 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, PPPDE, NTP, UPPP, SMTP, SNMP, IGMP, 802.1X, QoS, IPP6, Bonjour Security User Authentication, Watermark, IP address filtering, Anonymous access ONYIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI Interface Audio 1-ch audio in(Mic in/Line in)/out interface Communication 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) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Auto-iris	DC drive
### Compression Standard ### A:264+/H.264/ MJPEG ### Baseline Profile / Main Profile / High Profile ### A:264 Type ### Baseline Profile / Main Profile / High Profile ### A:264 Type ### Baseline Profile / Main Profile / High Profile ### A:264 Type ### Baseline Profile / Main Profile / High Profile ### A:264 Standard ### A:264 Type ### Baseline Profile / Main Profile / High Profile ### A:264 Standard ### Bis Baseline Profile / Main Profile / High Profile /	Day & Night	IR Cut Filter with auto switch
H.264+/H.264/MJPEG H.264 Type Baseline Profile / Main Profile / High Profile Jideo Bit Rate JZ Kbps – 16 Mbps G.711/G.722.1/G.726/MP2L2 Audio Bit Rate J64kbps(G.711) / 16kbps(G.722.1) / 16kbps(G.726) / 32-128kbps(MP2L2) Max. Resolution J67k: 22fps (4096 × 2160) Frame Rate J67k: 22fps (4096 × 2160), 25fps (3840 × 2160, 1920 × 1080, 1280 × 720) J60k2: 22fps (4096 × 2160), 25fps (3840 × 2160), 30fps(1920 × 1080, 1280 × 720) J7hird Stream J7hird J7	WDR	DWDR
Haze Arype Baseline Profile / Main Profile / High Profile Jideo Bit Rate Jideo Gompression Jideo Grapession Jideo Grapessi	Compression Standard	
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Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or well browser Regional Cropping Support Support Support 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 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, UPnP, SMTF, 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 audio in(Mic in/Line in)/out interface Communication nterface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1 VP-p composite output (75 Ω/BNC) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Image Enhancement	
Distortion Correction Day/Night Switch	Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Day/Night Switch Day/Night Switch Day/Night Switch Day/Night Switch Dogo picture can be overlaid on video with 128x128 24bit bmp format LOGO picture can be overlaid on video with 128x128 24bit bmp format Network Network Network Storage NAS (Support NFS,SMB/CIFS), ANR 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, UPnP, SMTF, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 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) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Regional Cropping	Support
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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, UPnP, SMTF SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 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	
TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTF SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch audio in(Mic in/Line in)/out interface Communication nterface 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) Dn-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 User Authentication, Watermark, IP address filtering, Anonymous access ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch audio in(Mic in/Line in)/out interface Communication nterface 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
ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI Interface Audio 1-ch 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) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	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
Audio 1-ch audio in(Mic in/Line in)/out interface Communication nterface 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 audio in(Mic in/Line in)/out interface Communication nterface 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) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Communication nterface 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) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Interface	
nterface Alarm 1 input, 1 output (up to DC24V 1A or AC110V 500mA) Video Output 1 Vp-p composite output (75 Ω/BNC) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Audio	1-ch audio in(Mic in/Line in)/out interface
Video Output 1Vp-p composite output (75 Ω/BNC) Dn-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Communication Interface	1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface
On-board storage Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	Alarm	1 input, 1 output (up to DC24V 1A or AC110V 500mA)
	Video Output	1Vp-p composite output (75 Ω/BNC)
Reset Button Yes	On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
	Reset Button	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	
Protection Level	IP66
Impact Protection	IK10
Operating Conditions	-30°C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing); -H: -40°C – 60 °C
Power Supply	24V AC ± 10%, 12 V DC ± 10%, PoE (802.3af); -H: 24V AC ± 10%, 12 V DC ± 10%, PoE (802.3at);
IR Distance	Up to 40m
Power Consumption	Max. 12 W; -H: 17W
Dimensions	Φ 164.9×127 mm (Φ 6.49" × 5")
Weight	2100 g (4.63 lbs)
Order Models	

Accessories



DS-1280ZJ-DM26
Junction box



DS-1281ZJ-DM26
Inclined ceiling mount



DS-1273ZJ-DM26 Wall mount



DS-1273ZJ-DM26-B
Wall mount with junction box



DS-1271ZJ-DM26
Pendant mount

