

DS-2CD6D54FWD-IZHS(B)



- 4 adjustable lenses in one camera cover up to a 360° field of view, ensuring zero-blind zone monitoring
- the monitoring tilt angle can also be adjusted
- Each lens has a resolution of up to 5 MP, capturing clear images
- more details can be displayed on a video wall
- A built-in heater provides ultra-low temperature start-up to -40°C
- IP67/IK10 water resistant and vandal proof, preventing water ingress for outdoor use
- FC interface: the camera can be connected by fiber optical cable for the transfer of data over long distances
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements

▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	2560 x 1920
Min. Illumination	Color: 0.006 Lux @ (F1.2, AGC ON), 0.010 Lux @ (F1.6, AGC ON), B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Shutter Time	1 s - 1/100,000 s
Day & Night	IR Cut Filter
Angle Adjustment	Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focal Length & FOV	2.8mm to 12mm, Horizontal field of view: 30° to 101°, Vertical field of view: 22.4° to 73°, Diagonal field of view: 37° to 137°
Lens Mount	Ø14
Focus	Semi-auto, Manual
Aperture	F1.6
Illuminator	
Supplement Light Type	IR
Supplement Light Range	10 m to 30 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 15 fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720), 60 Hz: 15 fps (2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 15 fps (704 × 576, 640 × 480), 60 Hz: 15 fps (704 × 480, 640 × 480),
Third Stream	50 Hz: 6 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480), 60 Hz: 8 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	Support
Region of Interest (ROI)	Support 4 fixed region for each stream
Target Cropping	Yes
Audio	
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)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP
Simultaneous Live View	Up to 20 channels

API	ONVIF (PROFILE S, PROFILE G), ISAPI
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface
User/Host	Up to 32 users,3 levels: Administrator, Operator and User
Network Storage	Micro SD/SDHC/SDXC card (128 G), local storage and NAS (NFS,SMB/CIFS), ANR
Client	iVMS-4200
Web Browser	IE8+, Chrome31-44, Firefox 30.0 - 51
Image	
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, and white balance are adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC, 3D DNR, EIS
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Interface	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M Ethernet port,1 RS-485 interface (-S)
On-Board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Audio	1-ch 3.5 mm input (line in/Mic in), 1-ch 3.5mm output, dual-track, stereo
Alarm	2 inputs, 2 outputs (up to 24 VD, 1A or 110 VAC, 500mA)
RS-485	-S: 1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Fiber Optical	FC interface, single mode, single fiber, 20 km transmission distance, (Tx)1310 nm/1.25G, (Rx)1550 nm/1.25 G
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Face Detection, audio exception detection, scene change detection, defocus detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture
General	
Power	12 VDC ± 20%: 2.3 A, max. 28 W, 24 VAC ± 20%, 2.5 A, max. 50 to 60 Hz (for customization), three-core terminal block -IZ, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, 0.9 A to 0.6 A, max. 34W -Z: PoE (802.3at): 42.5 VDC to 57 VDC, max. 17W
Material	Aluminum alloy, engineering plastics
Dimension	Ø290 mm × 145.5 mm (Ø11.42" × 5.73")
Package Dimension	453 mm × 393 mm × 385 mm (17.8" × 15.47" × 15.16")
Weight	4.7 kg (10.3 lb.)
With Package Weight	7.7 kg (16.8 lb.)
Startup and 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)








Language	32 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	One-key reset, anti-flicker, mirror, heartbeat, password protection, privacy mask, watermark, IP address filter
Approval	
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU
Protection	IP67, IK10

▪ Available Model

DS-2CD6D54FWD-IZHS(2.8-12mm)(B)

▪ Accessory

▪ Optional

DS-1663ZJ Ceiling Mount	DS-1602ZJ Wall mount	DS-1604ZJ Wall Mount	DS-1604ZJ-pole Vertical Pole Mount	DS-1661ZJ Pendant Mount
				
DS-1604ZJ-corner Corner Mount	DS-1673ZJ Vertical Pole Mount			
				

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