Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.007 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day &Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB
3-Axis Adjustment (with bracket)	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focal length	2.8 mm to 12 mm
Aperture	F1.4
Focus	Auto
FOV	Horizontal FOV: 101° to 29°, vertical FOV: 54° to 16°, diagonal FOV: 121° to 34°
Lens Mount	Φ14
IR	
IR Range	Up to 30 m
Wavelength	850 nm
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 16 Mbps
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exit detection
ROI (Region of Interest)	Support 1 fixed region for main stream and sub stream separately
Image	
Max. Resolution	2688 × 1520
Main Stream	50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Image Enhancement	BLC/3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In(-S)
Audio (-S)	
Environment Noise Filtering	Yes
Sampling Rate	8kHz/16kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)

Network	
Network Storage	Support micro SD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	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, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering
Firmware Version	V5.5.63
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
Web Browser	Plug-in required live view: IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+ Plug-in free live view: Chrome 45.0+, Firefox 52.0+
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
SVC	H.265 encoding and H.264 encoding support
Reset Button	Yes
Audio (-S)	1 audio input (line in), 1 audio output (line out), mono sound
Alarm (-S)	1 alarm input, 1 alarm output
General	
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.9 A, max. 11 W PoE: (802.3af, 36 VDC to 57 VDC), 0.4 A to 0.2 A, max. 12.9 W
Protection Level	IK10, IP67 (If the camera is installed outdoor, the bracket DS-1253ZJ-L should be used together with other pendant mounting bracket or wall mounting bracket to reduce IR reflective in the rainy day)
Material	Front cover: metal, bottom base: metal, bubble: plastic
Dimensions	Camera: Φ 153.3 × 111.6 mm (Φ 6" × 4.4")
Weight	Camera: 890 g (2 lb.) With package: 1300 g (2.9 lb.)

Available Model

DS-2CD2746G1-IZ (2.8 mm to 12 mm), DS-2CD2746G1-IZS (2.8 mm to 12 mm)