DS-2CD1731FWD-I (Z)
3.0 MP CMOS Vari-Focal Network Dome Camera

Key Features

- 1/3" progressive scan CMOS
- Up to 3.0 megapixel
- 2.8 mm to 12 mm manual/motorized (with -Z) vari-focal lens
- Up to 30 m IR range
- Dual stream
- 120 dB WDR (Wide Dynamic Range)
- 3D DNR (Digital Noise Reduction)
- PoE (Power over Ethernet)
- IP67, IK10
- Mobile monitoring via Hik-Connect or iVMS-4500

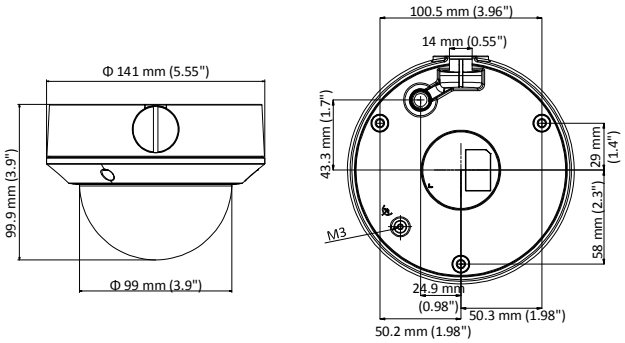
Specification

Camera	
Image Sensor	1/3" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100, 000 s, support slow shutter
Lens	2.8 mm to 12 mm @F1.4, horizontal field of view: 108° to 31°
Lens Mount	Φ14
Day &Night	IR cut filter with auto switch
3-Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotation: 0° to 360°
DNR (Digital Noise Reduction)	3D DNR
WDR (Wide Dynamic Range)	120 dB
Compression Standard	
Video Compression	Main stream: H.264+/H.264 Sub stream: H.264/MJPEG
H.264 Type	Main profile/High profile
Video Bit Rate	32 Kbps to 16 Mbps
Image	
Max. Resolution	2304 × 1296
Main Stream Max. Frame Rate	50Hz: 20fps @(2304 × 1296), 25fps @(1920 × 1080, 1280 × 720) 60Hz: 20fps @(2304 × 1296), 30fps @(1920 × 1080, 1280 × 720)
Sub-stream Max. Frame Rate	50Hz: 25fps @(640 × 360, 352 × 288) 60Hz: 30fps @(640 × 360, 352 × 240)
Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software
Day/Night Switch	Support auto, scheduled
Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)
Network	
Network Storage	Support micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR
Detections	Motion detection
Alarms	Video tampering, network disconnected, IP address conflicted, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Video Output (Without-Z)	1Vp-p composite output (75Ω/BNC)
Reset	Support
General	
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)
Power Supply	DC12V ± 25%, PoE (802.3af)
Power Consumption	Max. 5.5 W/11 W (With -Z)
Protection Level	IP67, IK10
IR Range	Up to 30 m
Dimensions	Φ 141 mm × 99.9 mm (5.6" × 3.9")
Weight	800 g (1.76 lb.)

Available Models

DS-2CD1731F-I (Z)

Dimension



Accessory

DS-1227ZJ
In-ceiling Mounting Bracket

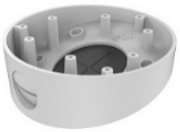
DS-1273ZJ-135
Wall Mounting Bracket

DS-1273ZJ-135B
Wall Mounting Bracket

DS-1280ZJ-DM21
Junction Box

DS-1271ZJ-135
Pendant Mounting Bracket

DS-1275ZJ
Vertical Pole Mounting Bracket



DS-1281ZJ-DM23
Inclined Base Mounting Bracket

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