DS-2CD2055FWD-I
5 MP IR Fixed Network Bullet Camera

Key Features

- Up to 5 megapixel high resolution

- Max. 2944 × 1656 @20fps

- 2.8 mm/4 mm/6 mm/8 mm/12 mm fixed lens, optional

- H.265, H.265+, H.264+, H.264

- 120dB Wide Dynamic Range

- 3D Digital Noise Reduction

- 12 VDC & PoE (802.3af)

- IR range: up to 30 m

- Support on-board storage, up to 128 GB

- IP67

- BLC/3D DNR/ROI/HLC

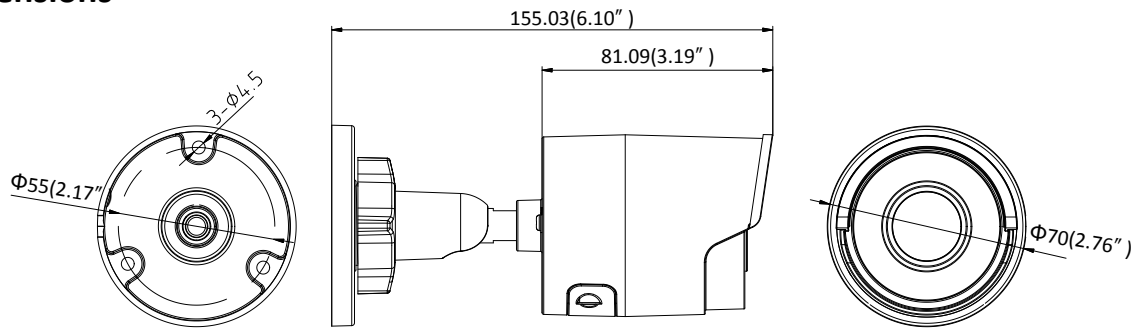- Color: 0.01 lux @(F1.2, AGC ON), 0 lux with IR

Specification

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Min. Illumination	Color: 0.01 lux @(F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Focal length	2.8/4/6/8/12 mm
Focus	Fixed
Lens	2.8 mm, horizontal field of view: 97° 4 mm, horizontal field of view: 78° 6 mm, horizontal field of view: 60° 8 mm, horizontal field of view: 39.5° 12 mm, horizontal field of view: 19°
Lens Mount	M12
Iris	F2.0
Day &Night	IR cut filter
DNR	3D DNR
Wide Dynamic Range	120dB
3-Axis Adjustment(bracket)	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Image	
Max. Resolution	2944 × 1656
Main Stream	50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2944 × 1656), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 ×720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 ×720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Settings	Support rotate mode. Brightness, contrast, saturation, and sharpness are adjustable via web browser and client software
ROI (Region of Interest)	Support 1 fixed region for main stream and sub stream separately
Day/Night Switch	Day/Night/Auto/Schedule
*Note: When the main stream resolution is 2944 × 1656, max frame rate is 20 fps for all streams.	
Network	
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error

Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter
Firmware Version	V5.5.52
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	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Exception Detection	Scene change detection
Line Crossing Detection	Cross a pre-defined virtual line, up to 1 pre-defined virtual lines supported
Intrusion Detection	Enter and loiter in a pre-defined virtual region, up to 1 pre-defined virtual regions supported
Object Removal Detection	Objects removed from the pre-defined region, such as the exhibits on display.
Unattended Baggage Detection	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Face Detection	Human face appears in the image can be detected and trigger linkage method
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
General	
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 6W PoE(802.3af, class 3), 7W
IR Range	Up to 30 m
Protection Level	IP67
Dimensions	Camera: Φ70 × 155.03 mm (Φ2.76" × 6.1") Package: 216 × 121 × 118 mm (8.5" × 4.76" × 4.65")
Weight	Camera: 410 g (0.9 lb.)

Available Models

DS-2CD2055FWD-I

Dimensions

155.03(6.10″)

81.09(3.19″)

3- ∅4.5

Φ55(2.17″)

Φ70(2.76″)

Unit: mm

Accessories

DS-1280ZJ-XS

Junction Box