

## DS-2CD2455FWD-I(W) 5 MP IR Fixed Cube Network Camera



### Key Features

- 2944 × 1656@20fps
- IR range: up to 10 m
- PIR: 10 m
- H.265+, H.265, H.264+, H.264
- 120dB WDR
- Built-in Micro SD/SDHC/SDXC slot, up to 128G
- PoE
- BLC/3D DNR/HLC/ROI
- Wi-Fi (Optional)
- Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR  
Color: 0.028 lux @(F2.0, AGC ON), 0 lux with IR



## Specifications

<b>Camera</b>	
Image Sensor	1/2.9" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR Color: 0.028 lux @(F2.0, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
<b>Lens</b>	
Focal length	2.8 mm
Focus	Fixed
Aperture	F2.0
FOV	Horizontal field of view: 97°, Vertical field of view: 54°, Diagonal field of view: 113°
Lens Mount	M12
<b>IR</b>	
IR Range	10 m
Wavelength	850nm
<b>PIR</b>	
Angle	Horizontal: 90°, Vertical: 80°
PIR Range	10 m
<b>Compression Standard</b>	
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
Audio Compression	G722.1/G711/G726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)
<b>Smart Feature-set</b>	
Behavior Analysis	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Exception Detection	Scene change detection
Face Detection	Yes
Region of Interest	Support 1 fixed region for main stream and sub-stream separately
<b>Image</b>	
Max. Resolution	2944 × 1656
Main Stream	50Hz: 20fps (2944 × 1656), 25fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20fps (2944 × 1656), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)

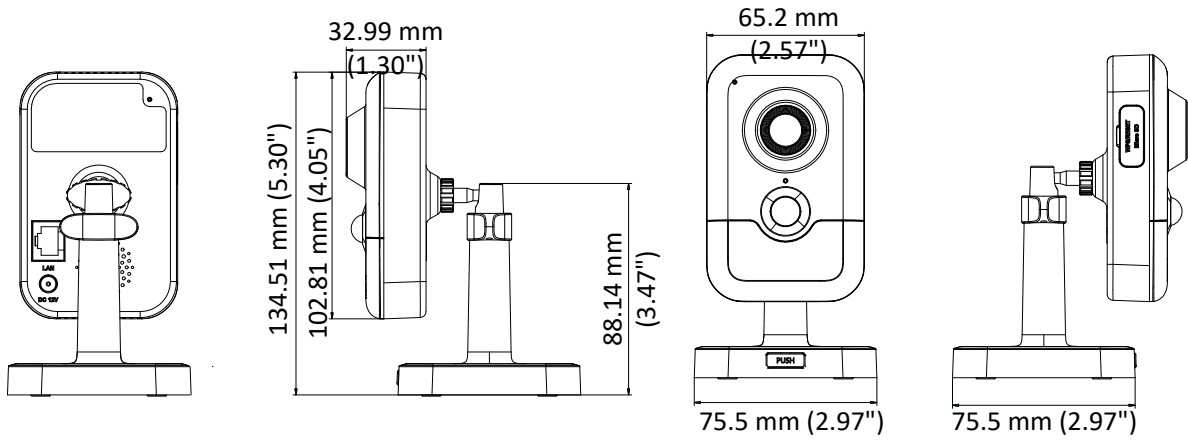
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC
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.	
<b>Network</b>	
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, PIR, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, QoS, IPv6
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Firmware Version	V5.5.80
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 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+
<b>Interface</b>	
Audio	1 built-in mic, 1 built-in speaker, mono sound
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128G
SVC	Support H.264 and H.265 encoding
Reset Button	Yes
<b>Wi-Fi (-W)</b>	
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.412 GHz to 2.4835 GHz
Channel Bandwidth	20M/40M
Protocols	802.11b: DQPSK, DBPSK, CCK 802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK
Security	WPA, WPA2
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50 m
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16kHz/32kHz/44.1kHz/48kHz
<b>General</b>	
Operating Conditions	-10 °C to +40 °C (14 °F to +104 °F), Humidity 95% or less (non-condensing)

Power Supply	12 VDC $\pm$ 20%, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.47 A, max. 7 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7 W
Material	Plastic
Dimensions	102.8 mm $\times$ 65.2 mm $\times$ 32.6 mm (4.05" $\times$ 2.57" $\times$ 1.28")
Weight	Camera: Approx. 128 g (0.28 lb.)

### **Available Model**

DS-2CD2455FWD-I (2.8 mm), DS-2CD2455FWD-IW (2.8 mm)

**Dimension**



Distributed by



**HIKVISION®**

**Headquarters**

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
sateru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com