

## DS-2CD2455FWD-IW

### 5 MP Indoor EXIR Fixed Cube Network Camera



- 1/2.9" (5 MP) Progressive Scan CMOS
- Up to 2944 x 1656 Resoution
- EXIR up to 30 ft (10 m) IR Range
- PIR Range up to 30 ft (10 m)
- 120 dB WDR, 3D DNR
- MicroSD Card Slot Supports 128 GB
- Built-In Wi-Fi
- Built-In Microphone and Speaker
- 12 VDC and PoE (802.3af)

Hikvision's DS-2CD2455FWD-IW 5 MP EXIR Fixed Cube Network Camera supports the fastest built-in wi-fi technology for wireless video management.

The camera features EXIR technology with a range of up to 30 ft (10 m) for viewing in low-light conditions. PIR technology, with a range of up to 30 ft (10 m), detects movement and activates the camera accordingly.

Additionally, a built-in microphone and speaker facilitates two-way audio functionality.

**Available models:**  
DS-2CD2455FWD-IW



# Specifications

<b>DS-2CD2455FWD-IW</b>	
<b>Camera</b>	
Image Sensor	1/2.9" progressive scan CMOS
Minimum Illumination	Color: 0.028 lux @ (f/2.0, 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	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°
<b>Lens</b>	
Focal Length	2.8 mm
Aperture	f/2.0
FOV	Horizontal: 97°, vertical: 54°, diagonal: 113°
Lens Mount	M12
<b>IR</b>	
IR Range	35 ft (10 m)
Wavelength	850 nm
<b>PIR</b>	
Angle	Horizontal: 90°, vertical: 80°
PIR Range	35 ft (10 m)
<b>Compression Standard</b>	
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, sub-stream: H.265+/H.265/H.264+/H.264/MJPEG, third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main profile/high profile
H.264+	Yes
H.265 Type	Main Profile
H.265+	Yes
Video Bit Rate	32 Kbps to 16 Mbps
<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	Supports one fixed region for main stream and sub-stream separately
<b>Image</b>	
Maximum Resolution	2944 x 1656
Main Stream	20 fps (2944 x 1656), 30 fps (2560 x 1440, 1920 x 1080, 1280 x 720)
Sub-Stream	30 fps (640 x 480, 640 x 360, 320 x 240)
Third Stream	30 fps (1280 x 720, 640 x 360, 352 x 240)
Image Setting	Rotate mode, saturation, brightness, contrast, and sharpness adjustable by client software or web browser
Image Enhancement	BLC/3D DNR
Day/Night Switch	Auto/schedule
<b>Network</b>	
Network Storage	Supports microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, PIR, and 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, and IP address filter
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
Web Browser	IE 8+, Chrome 31.0 to 44, Firefox 30.0 to 51, Safari 8.0+
<b>Interface</b>	
Audio	1 built-in microphone, 1 built-in speaker, mono sound
Communication Interface	1-port RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
SVC	Supports H.264 and H.265 encoding
Reset Button	Yes
<b>Wi-Fi</b>	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20/40 MHz supported
Protocols	802.11b: DQPSK, DBPSK, CCK; 802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK
Security	WPA, WPA2
Transfer Rates	11b: 11 mbps, 11g: 54 mbps, 11n: up to 150 mbps
Wireless Range	165 ft (50 m) [performance variations are based on actual environmental conditions]
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	16 kHz
<b>General</b>	
Operating Conditions	14° F to 140° F (-10° C to 40° C); humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 20%, PoE (802.3af, class 3)
Power Consumption	12 VDC, 0.47 A, maximum 7 W, PoE (802.3af, 36V to 57V), 0.2 A to 0.1 A, maximum 7 W
Material	Plastic
Protection	TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions	4.05" x 2.57" x 1.28" (102.8 mm x 65.2 mm x 32.6 mm)
Weight	0.28 lbs (0.128 kg)

# Dimensions

