

DS-2CD2345FWD-I

4 MP IR Fixed Network Turret Camera

Powered by
DarkFighter™



The Hikvision DS-2CD2345FWD-I Outdoor IR Fixed Network Turret Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with 2.8 mm, 4 mm, and 6 mm lens options, and offers an EXIR 2.0 range of up to 100 ft (30 m).

Smart features, such as line crossing, intrusion, unattended baggage, and scene change detection are also supported.

Available models:
DS-2CD2345FWD-I

- **1/2.5" (4 MP) Progressive Scan CMOS**
- **Up to 2688 x 1520 Resolution @ 30 fps**
- **Minimum Illumination:**
Color: 0.014 lux @ (f/1.6, AGC on)
0 lux with IR
- **Darkfighter Technology**
- **Up to 100 ft (30 m) EXIR 2.0 Range**
- **2.8 mm, 4 mm, and 6 mm Lens Options**
- **H.265+, H.265, H.264+, H.264**
- **120dB True WDR**
- **MicroSD Card Slot Supports 128 GB**
- **IP67 Protection**
- **12 VDC and PoE (802.3af)**



Specifications

DS-2CD2345FWD-I	
Camera	
Image Sensor	1/2.5" progressive scan CMOS
Minimum Illumination	Color: 0.014 lux @ (f/1.6, 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
Three-Axis Adjustment	Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Focal length	2.8 mm, 4 mm, and 6 mm
Aperture	f/1.6
FOV	2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131° 4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105° 6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°
Lens Mount	M12
IR	
IR Range	Up to 100 ft (30 m)
Wavelength	850 nm
Compression Standard	
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
Smart Features	
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
Image	
Maximum Resolution	2688 × 1520
Main Stream	30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)
Sub Stream	30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	30 fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Day/Night Switch	Day/night/auto/schedule/ triggered by alarm in
Network	
Network Storage	Supports microSD/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, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
General Function	One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, 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-4500, iVMS-4200, Hik-Connect
Web Browser	IE 8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Audio	Two inputs: line in (3.5 mm) or microphone in (built-in microphone), 1 output: line out (3.5 mm), mono sound
Alarm	One input: alarm in (3.5mm), one output: alarm out (3.5mm)
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	H.264 and H.265 encoding
Reset Button	Yes
Audio	
Environment Noise Filtering	Yes
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 kbps (G.711)/16 kbps (G.722.1)/16 kbps (G.726)/32 to 192 kbps (MP2L2)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
General	
Operating Conditions	-22° F to 140° F (-30° C to 60° C), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.7 A, maximum 8.5 W, Ø 5.5 mm coaxial plug power, PoE (802.3af, 36 V to 57 V), 0.3 A to 0.1 A, maximum 10 W
Protection Level	IP66, IK08
Material	Metal and plastic
Dimensions	Ø 4.33" × 2.22" (Ø 110 mm × 56.4 mm)
Weight	0.88 lbs (0.40 kg)

Accessories

				
CBM Conduit Base	ABM Angled Base	WML + PC130T Wall Mount Long + 130 mm Pendant Mount	PM Pendant Mount	CM Corner Mount

Dimensions

