

DS-2CD2145FWD-I(S)

4 MP Outdoor IR Fixed Network Dome Camera

Powered by
DarkFighter™



- **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**
- **120 dB True WDR**
- **MicroSD Card Slot Supports 128 GB**
- **IP67, IK10 Protection**
- **12 VDC and PoE (802.3af)**

The Hikvision DS-2CD2145FWD-I(S) Outdoor IR Fixed Network Dome Camera provides high definition output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

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

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

Available models:

DS-2CD2145FWD-I

DS-2CD2145FWD-IS: Audio I/O, alarm I/O



Specifications

DS-2CD2145FWD-I(S)	
Camera	
Image Sensor	1/2.8" 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
Auto-Iris	No
Day/Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120 dB
Three-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focal Length	2.8 mm, 4 mm, or 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, object removal detection, unattended baggage detection
Exception Detection	Scene change detection
Face Detection	Yes
Region of Interest	Support 1 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
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or Web browser
Target Cropping	No
SVC	H.264 and H.265 encoding support
Day/Night Switch	Day/night/auto/schedule
Audio and Alarm (-S)	
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)/32–192 Kbps (MP2L2)
Audio	1 input, 1 output, mono sound
Alarm	1 input, 1 output
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Network	
Network Storage	Supports microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, Bonjour
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-4200, iVMS-4500, Hik-Connect
Web Browser	IE 8+, Chrome 31.0–44, Firefox 30.0–51, Safari 8.0+
Interface	
Video Output	No
Communication Interface	1-port RJ-45 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	-22° to 140° F (-30° to 60° C), humidity 95% or less (non-condensing)
Power Supply	12 VDC ±25%, Ø5.5 mm coaxial plug power; PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5 A, maximum 6 W, PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, maximum 7.5 W
Protection Level	IP67, IK10
Material	Metal and plastic
Dimensions	Ø4.4" × 3.2" (Ø111 mm × 82.4 mm)
Weight	1.1 lbs (0.50 kg)

Accessories (not included)

							
WMS Wall Mount Short w/Junction Box	PC110 110 mm Pendant Cap	CM Corner Mount	PM Pole Mount	AB110 Angled Base	CPM Pendant Mount	CB110 Conduit Base	SRS Sun Rain Shield

Dimensions

