

DS-2CD2H45FWD-IZS

4 MP Outdoor IR Varifocal Outdoor Network Turret Camera

Powered by
DarkFighter™



- 1/2.5" (4 MP) Progressive Scan CMOS
- Up to 2688 x 1520 Resolution @ 30 fps
- Minimum Illumination:
Color: 0.011 lux @ (f/1.4, AGC on),
0 lux with IR
- Darkfighter Technology
- Up to 100 ft (30 m) EXIR 2.0 Range
- 2.8 mm to 12 mm Motorized Varifocal Lens
- H.265+, H.265, H.264+, H.264
- 120dB True WDR
- MicroSD Card Slot Supports 128 GB
- IP67, IK10 Protection
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD2H45FWD-IZS Outdoor IR Varifocal 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 a 2.8 to 12 mm motorized varifocal 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-2CD2H45FWD-IZS



Specifications

DS-2CD2H45FWD-IZS

Camera

Image Sensor	1/2.5" progressive scan CMOS
Minimum Illumination	Color: 0.011 lux @ (f/1.4, 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	120dB
Three-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360°

Lens

Focal length	2.8 mm to 12 mm motorized varifocal lens
Aperture	f/1.2
FOV	2.8 mm to 12 mm, horizontal FOV: 114° to 32°, vertical FOV: 59° to 18°, diagonal FOV: 141° to 36.5°
Lens Mount	Ø 14

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
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)

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	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
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

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, illegal login, HDD full, HDD error
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

Audio	1 input (line in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound
Alarm	1 input, 1 output
Video Output	1 Vp-p Composite Output(75 Ω) (for adjustment only)
Communication Interface	1-port RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes

Audio

Environment Noise Filtering	Yes
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%, terminal block for DC input; PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 1 A, maximum 11 W; PoE (802.3af, 36V to 57V), 0.4 A to 0.3 A, maximum 12.5 W
Protection Level	IP67, IK10
Material	Metal
Dimensions	Ø 5.4" × 5.7" (Ø 135.8 mm × 145.5 mm)
Weight	2.30 lbs (1.06 kg)

Accessories

					
CPM Ceiling Pendant Mount	PC135H Pendant Cap	WML Wall Mount Long w/Junction Box	PM1 Vertical Pole Mount	CM1 Corner Mount	AB135 15° Angled Base

Dimensions

