

## DS-2CD2H25FHWD-IZS

2 MP Outdoor IR Varifocal Network Turret Camera

DarkFighter™



The Hikvision DS-2CD2H25FHWD-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.

- **1/2.8" (2 MP) Progressive Scan CMOS**
- **Up to 1920 x 1080 Resolution @ 60 fps**
- **Minimum Illumination:**  
Color: 0.0068 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)**

**Available models:**  
DS-2CD2H25FHWD-IZS



# Specifications

## DS-2CD2H25FHWD-IZS

### Camera

Image Sensor	1/2.8" progressive scan CMOS
Minimum Illumination	Color: 0.0068 lux @ (f/1.4, 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: 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/1.4
Focus	Auto
FOV	Horizontal FOV: 105° to 35°, vertical FOV: 56° to 20°, diagonal FOV: 126° to 40.5°
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+	Main stream
H.265 Type	Main profile
H.265+	Main stream
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]/16kbps [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	1920 × 1080
Main Stream	60 fps [1920 × 1080, 1280 × 960, 1280 × 720]
Sub Stream	30 fps [640 × 480, 640 × 360, 320 × 240]
Third Stream	30 fps [1920 × 1080, 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
Day/Night Switch	Day/night/auto/schedule/triggered by alarm in

### Network

Network Storage	Supports microSD/SDHC/SDXC card (128G), local storage, NAS (NFS/SMB/CIFS), and 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 (maximum 12 VDC, 30 mA)
Video Output	No
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%, PoE (802.3af), terminal block for DC input
Power Consumption and Current	12 VDC, 0.92 A, maximum 11 W; PoE (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, maximum 12.5 W
Protection Level	IP67, IK10
Material	Metal
Dimensions	Ø 5.35" × 5.73" (Ø 135.8 mm × 145.5 mm)
Weight	2.69 lbs (1.22 kg)

# Accessories

				
<b>CPM + PC135H</b> Ceiling Pendant Mount and 135 mm Pendant Cap	<b>WML + PC135H</b> Wall Mount Long and 135 mm Pendant Cap	<b>PM1</b> Vertical Pole Mount	<b>CM1</b> Corner Mount	<b>AB135</b> 15° Angled Base

# Dimensions

