HIKVISION

DS-2CD4D26FWD-IZSPUHK
2.0 MP Ultra Low Light Smart Dome Camera

DARKFIGHTER

HD | **H.265** | **Motorized** | **WDR** | **3D DNR**

Smart IPC

The Darkfighter series ultra-low light smart cameras are able to capture high quality colored images in dim light environment. DS-2CD4D26FWD-IZSPUHK(2.7-13.5MM)(2.7-13.55MM) offers full HD resolution, 150dB WDR, P-iris, PoE, Defog, EIS, 3D DNR, 6 behavior analyses, 1 exception detection, and face detection to meet a wide variety of applications.

- 1/1.8" Progressive Scan CMOS
- P-iris
- 1920 × 1080 @ 30fps
- Ultra-low light
- H.265, H.265+
- 150dB WDR
- IP67,IK10
- 6 behavior analyses, 1 exception detection, and face detection

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Function Description

Smart

- 6 behavior analyses, 1 exception detection, and face detection
- Smart recording: Support edge recording and dual-VCA
- Smart encoding: Support low bit rate, low latency, ROI enhance encoding

Image

- 1920 × 1080 @30fps
- Support rotate mode, suitable for environment as corridor
- Support target cropping, details can be seen with low bandwidth
- Streaming smoothness setting for different requirements of image quality and fluency
- Support H.265+/H.265/H.264+/H.264/MJPEG video compression, multi-level video quality configuration; support Baseline Profile/Main Profile/High Profile H.264 encoding complexity, and Main Profile H.265 encoding complexity
- Multiple OSD color: Black & white self-adaptive; Custom
- 150dB WDR is supportable for backlight environment
- Support defog, BLC, EIS

System

- Support ONVIF (profile S/profile G), ISAPI protocol
- Support three streams, and Support 20 channels live view at the same time
- Lightening protection, surge protection, voltage transient protection, anti-static protection

Interface

- Support standard 128G Micro SD/SDHC/SDXC card storage
- Support 10M/100M Ethernet port
- Support Audio I/O, dual-track, RS-485
- Support Alarm I/O
- Support CVBS analog output (4CIF resolution)

Security

- Support three-level user authentication management, user and password authorization, and IP address filtering
- Support security certificate as HTTPS
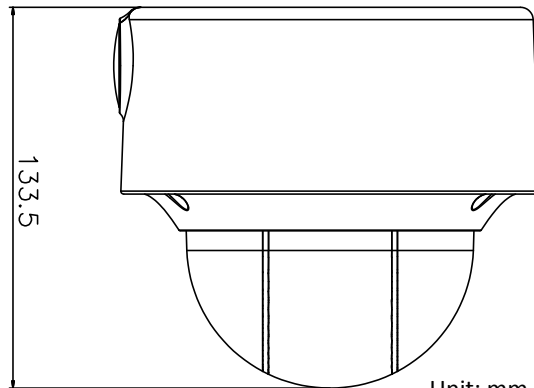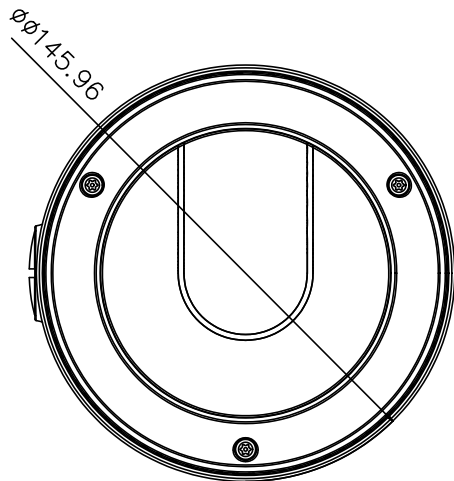- Lock user IP after certain times failed login attempts

Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON), 0 Lux with IR B/W: 0.0002 Lux @ (F1.2, AGC ON), 0.00027 Lux @ (F1.4, AGC ON), 0 Lux with IR"
Shutter Speed	1 s - 1/100,000 s
Slow Shutter	Support
Lens	2.8 – 12 mm F1.4~F2.8, horizontal angle of view 90.1° - 31°
Lens Mount	Φ14
P-iris	Yes
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	150dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 70°, rotate: 0° to 355°
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Support
H.265 Type	Main Profile
H.265+	Support
Video Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 20fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 20fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 20fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 20fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)
Third Stream	50Hz: 11fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 11fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)
Forth Stream	50Hz: 11fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 11fps (1920 × 1080, 1280 × 960, 1280 × 720)
Image Enhancement	BLC/HLC/3D DNR/Defog/EIS
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Region of Interest	Support 4 fixed region for each stream, and dynamic face tracking
Target Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In (-S)
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR

Alarm Trigger	Motion detection, video tampering alarm, 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, UDP, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter
Standard	ONVIF (PROFILES, PROFILE G), ISAPI
Interface	
Audio	With –S model: 1 input (line in), 1 output, dual-track
Communication Interface	1 RJ45 10M/100M Ethernet port, with –S model: 1 RS-485 interface
Alarm	With –S model: 2 inputs, 2 outputs (up to DC24V 1A or AC110V 500mA)
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio	
Environment Noise Filtering	Support
Audio I/O	Support
Audio Sampling Rate	Max. 48 kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Line Crossing Detection	Cross a pre-defined virtual line, up to 4 pre-defined virtual lines supported
Intrusion Detection	Enter and loiter in a pre-defined virtual region, up to 4 pre-defined virtual regions supported
Region Entrance Detection	Enter a pre-defined virtual region from the outside place
Region Exit Detection	Exit from a pre-defined virtual region
Object Removal Detection	Objects removed from the pre-defined region, such as the exhibits on display.
Unattended Baggage Detection	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Exception Detection	Scene change detection
Face Detection	Human face appears in the image can be detected and trigger linkage method
General	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 20%, PoE (802.3af, class 3) Terminal block for DC input
Power Consumption and Current	12 V DC ± 20%: max. 9W/0.75A PoE (802.3af): max. 10W/0.21A
IR Range	50m
Protection Level	IP67,IK10
Material	Metal
Dimensions	Φ145.96 × 133.5 mm (Φ5.75" × 5.26")
Weight	1200 g (2.65 lbs)

Available Models:

DS-2CD4D26FWD-IZSPUHK(2.7-13.5MM)

Dimensions

ø ø145.96

133.5

Unit: mm

Accessories

DS-1273ZJ-DM32

Wall Mount

DS-1271ZJ-DM32

Pendant Mount

DS-1275ZJ-SUS

Vertical Pole Mount

DS-1276ZJ-SUS

Corner Mount

DS-1227ZJ-DM32

In-Ceiling Mount