



DS-2CD4A25FWD-IZ(H)(S) 2MP Smart IP Outdoor Bullet Camera



















DS-2CD4A25FWD-IZ(H)(S) is Hikvision Smart IPC and features complete Smart functions including:

Smart Detection

Intrusion Detection, Line Crossing Detection, Object Left/Removal, Area Entering/Leaving, Scene Change Detection, Audio Surge Detection, Audio Loss Detection, Defocus Detection, Face Detection, Object Counting, etc.

Smart Codec

Smart Recording with dual-VCA, Low Bitrate, Low Latency, ROI enhancement, Multi-stream, Rotate Mode, Edge Recording, etc.

Smart Image Control

Support distortion correction

The Lightfighter series smart cameras are able to capture high quality colored images in back light environment. DS-2CD4A25FWD offers Full HD resolution with up to 60fps high frame rate, 140dB WDR, PoE, Defog, 3D DNR and complete Smart Feature-set to meet a wide variety of applications.

- 1/2.8" Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- -H: smart heater
- -S: Audio/Alarm IO
- Support 128G on-board storage
- DC12V/PoE(802.3at)



Key Features

Smart

- 6 behavior analysis, 4 exception detections, 1 recognition, 1 statistic function.
- Smart recording: Support edge recording and dual-VCA.
- Smart encoding: Support low bit rate; low latency; ROI enhance encoding
- Smart lens options: AF lens

Image

- HD 1920 × 1080@60fps
- Supports image distortion correction
- Support rotate mode, suitable for environment as corridor.
- Support regional cropping, details can be seen with low bandwidth.
- Code smoothness setting for different requirements of image quality and fluency.
- Support H.264/MJPEG video compression, multi-level video quality configuration; support Basic/Main/High Profile H.264 encoding complexity.
- Multiple OSD color: Black & white self-adaptive; Custom
- WDR is supportable for backlight environment.
- Support defog, BLC, HLC.

Infrared

- Irradiation distance is up to 50m(2.8~12mm)/100m(8~32mm)
- IR anti-reflection panel, increase infrared light transmittance.
- Smart IR, prevent over-exposure in close distance

System

- Support ONVIF (profile S/profile G), CGI, PSIA, ISAPI protocol.
- Support three streams, and Support 20 channels live view at the same time.
- AF automatic fast focus, maintain focused during zooming
- Smart heater for starting in extra low temperature (-H optional)
- Anti-thunder, anti-surge, anti-static, IP67 protection level.

Interface

- Support standard 128G Micro SD/SDHC/SDXC card storage.
- Support 10M/100M/1000M Ethernet Port.
- Support Audio I/O (-S), support dual channel stereo audio.
- Support Alarm I/O (-S)
- Support CVBS analog output (-S, 4CIF resolution)

Security

- Support three-level user authentication management, user and password authorization, IP address filtering and anonymous access.
- Support security certificate as HTTPS, SSH; support creating certificate.
- Basic and digest authentication is supportable in IE configuration
- Lock user IP for many times error login



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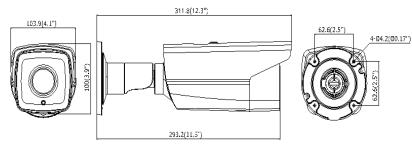


Specification

1/2.8" Progressive Scan CMOS
0.005 Lux @ (F1.2, AGC ON), 0 lux with IR 0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
1s~1/100,000s
Support
2.8-12mm @ F1.4 angle of view: 113°~33.8°; 8-32mm @ F1.4 angle of view: 31.2°~10.2°
AF automatic focusing and motorized zoom lens
DC drive
IR Cut Filter with auto switch
140dB
H.264/MJPEG
Baseline Profile / Main Profile / High Profile
32 Kbps – 16 Mbps
G.711/G.722.1/G.726/MP2L2
64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
1920 × 1080
50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720) 60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
Independent with Main Stream and Sub Stream, up to 50/60Hz: 20fps(1280 × 720)
BLC/HLC/3D DNR/ROI/Defog
Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Support
Support
Auto/Schedule/Triggered by Alarm In
LOGO picture can be overlaid on video with 128x128 24bit bmp format
NAS (Support NFS,SMB/CIFS), ANR
Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
User Authentication, Watermark, IP address filtering, Anonymous access
ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
1-ch 3.5 mm audio in (Mic in/Line in)/out interface
1 RJ45 10M/100M/1000M Ethernet port
1 input, 1 output (up to DC24V 1A or AC110V 500mA)
1Vp-p composite output (75 Ω/BNC) Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Yes







Audio (-S)	
Environment Noise Filtering	Support
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
General	
Protection Level	IP67
IR Distance	50m(2.8~12mm)/100m(8~32mm)
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C – 60 °C
Power Supply	12 V DC ± 10%, PoE (802.3at)
Power Consumption	Max. 12W, -H: 18W Max
Dimensions	100×103.9×311.8mm (3.94" × 4.09" × 12.28")
Weight	2000 g (4.41 lbs)
Order Models	

DS-2CD4A25FWD-IZ, DS-2CD4A25FWD-IZS, DS-2CD4A25FWD-IZH, DS-2CD4A25FWD-IZHS