ez CCTV .com
REDEFINING SECURITY DISTRIBUTON
Tel: 01462 708820
Email: sales@ezcctv.com

HIKVISION

DS-2CD4B26FWD-IZ(S)
2.0 MP Ultra-Low Light Smart Bullet Camera

DARKFIGHTER

HD | smart CODEC | 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-2CD4B26FWD-IZ(S) offers full HD resolution, 120dB WDR, Auto-iris, PoE, Defog, EIS, 3D DNR and 2 behavior analyses to meet a wide variety of applications.

1/1.8” Progressive Scan CMOS
Auto-iris
1920 × 1080 @ 30fps
Ultra-low light
120dB WDR
2 behavior analyses
IP67

Function Description

Smart

- 2 behavior analyses, line crossing detection and intrusion 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.264+/H.264/MJPEG video compression, multi-level video quality configuration; support Baseline Profile/Main Profile/High Profile H.264 encoding complexity
- Multiple OSD color: Black & white self-adaptive; Custom
- 120dB WDR is supportable for backlight environment
- Support defog, BLC, EIS

System

- Support ONVIF (profile S/profile G), CGI, PSIA, 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, support stereo audio, RS-485
- Support Audio I/O, support stereo audio (-S)
- Support Alarm I/O (-S)
- 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, SSH; support creating certificate
- Basic and digest authentication is supportable in IE configuration
- 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, horizontal angle of view 90.1° - 31°
Lens Mount	Φ14
Auto-iris	DC drive
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment (Bracket)	Pan: 0° - 360°, tilt: 0° - 100°, rotate: 0° - 360°
Compression Standard	
Video Compression	Main stream: H.264+/H.264 Sub stream: H.264/MJPEG Third stream: H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
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: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)
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
Target Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
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	Intrusion detection, line crossing detection, motion detection, 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 (PROFILE S, PROFILE G), PSIA, CGI, ISAPI

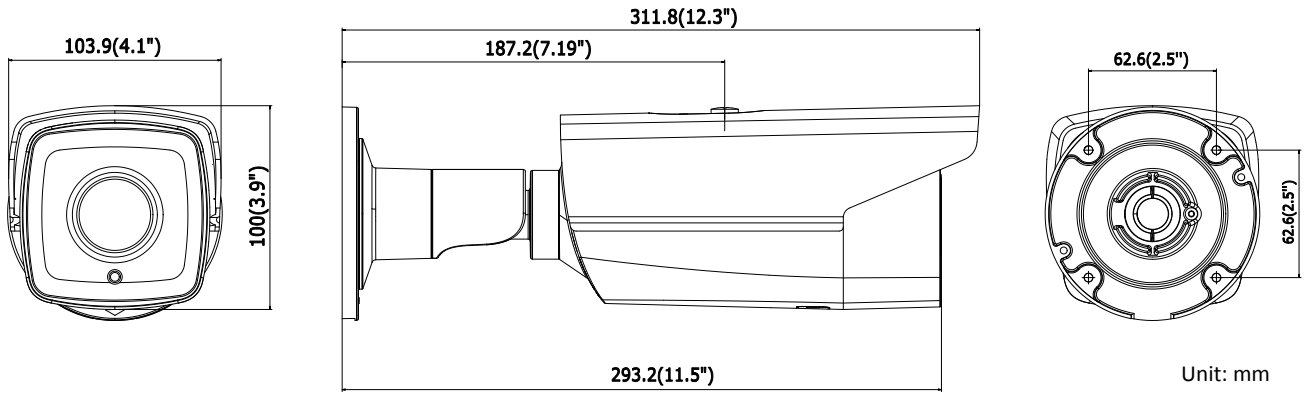
Interface	
Audio	With –S model: 1 input (line in), 1 output
Communication Interface	1 RJ45 10M/100M Ethernet port; with –S model: 1 RS-485 interface
Alarm	With –S model: 1 input, 1 output (up to DC24V 1A or AC110V 500mA)
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC 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	
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
General	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 20%, PoE (802.3at)
Power Consumption and Current	12 V DC ± 20%: Max. 11.25 W/0.94 A PoE (802.3at): Max. 15 W/0.31 A
IR Range	10 m to 30 m
Protection Level	IP67
Dimensions	311.8 × 103.9 × 100 mm (12.3” × 4.1” × 3.9”)
Weight	2000 g (4.41 lbs)

Order Models:

DS-2CD4B26FWD-IZ; DS-2CD4B26FWD-IZS

**-S: with 1 audio input (line in), 1 audio output, 1 RS-485, 1 alarm input and 1 alarm output*

Dimensions



Unit: mm

Accessories

DS-1275ZJ

Vertical Pole Mount

DS-1280ZJ-S

Junction Box

DS-1260ZJ

Junction Box

DS-1276ZJ

Corner Mount

Distributed by

Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Europe
T +31-23-5542770
saleseuro@hikvision.com

Hikvision Middle East
T +971-4-8816086
salesme@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision France
T +33(0)1-85-330-444
info.fr@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Poland
T +48-22-460-01-50
poland@hikvision.com

Hikvision UK
T +44-1628-9021-4
support.uk@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Oceania
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Hong Kong
T +852-2151-1761

Hikvision Canada
T +1-909-895-0400
sales.usa@hikvision.com

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