HIKVISION

DS-2CD4A26FWD-IZ(H)(S)
2MP Low Light Smart Bullet LPR Camera

DARKFIGHTER

IP67 | HD | Vsmart CODEC | Vsmart 60FPS | WDR | 3D DNR

smart IPC

LPR

License plate recognition
Supportable countries

Stage I
Russian district: Belarus, Ukraine, Russia, Moldova
European-Asian district: Poland, France, Netherlands, Czech
Republic, Slovakia, Spain, Italy, Germany

Stage II
Russian district: Azerbaijan, Georgia, Kazakhstan, Lithuania
European-Asian district: Israel, Hungary, Bulgaria, Belgium,
Romania, Portugal, Denmark, Serbia, Greece, Finland, Croatia,
FYR of Macedonia, Luxembourg, Norway, United Kingdom

The Darkfighter series ultra-low light Smart
cameras are able to capture high quality colored
images in dim light environment.
DS-2CD4A26FWD-IZ(H)(S) offers Full HD resolution
with up to 60fps high frame rate, 120dB WDR,
PoE, Defog, 3D DNR and complete Smart
Feature-set to meet a wide variety of applications.

- 1/1.8" Progressive Scan CMOS
- Full HD1080p video
- Up to 60fps frame rate
- Ultra-low light
- Slow shutter
- 120dB WDR
- 3D DNR
- Up to 50m IR range
- Motorized lens with Smart Focus
- -H: built-in heater
- -S: audio/alarm IO
- Support 128G on-board storage
- DC12V/PoE
- IP67

Key Features

LPR Features

- Max recognition speed of 70km/h
- Automatic number plate recognition of 350ms
- Recognition rate of 96% or higher
- Supporting EU number plates
- IR distance for LPR supports up to 10m with proper installation

Smart

- 6 behavior analysis, 4 exception detections, 1 recognition, 1 statistic & LPR 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/MPEG4/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, EIS.

Infrared

- Irradiation distance is up to 50m
- 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 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
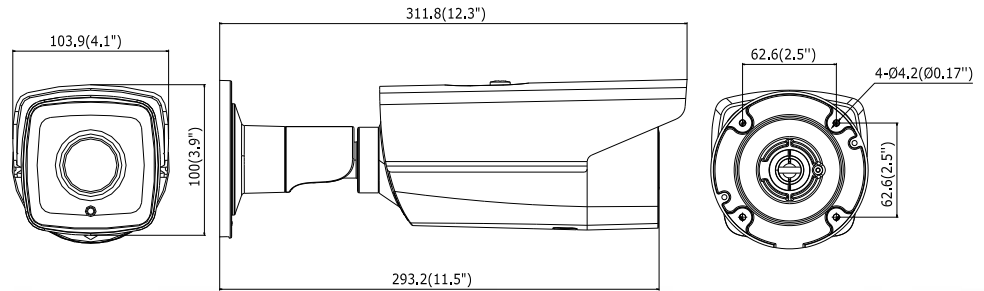- Lock user IP for many times error login

HIKVISION

DS-2CD4A26FWD-IZ(H)(S)
2MP Low Light Smart Bullet LPR Camera

DARKFIGHTER

Specification

Camera	
Image Sensor	1/1.8'' Progressive Scan CMOS
Min. Illumination	0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1s ~ 1/100,000s
Slow Shutter	Support
Lens	2.8~12mm @ F1.4, angle of view: 92°~32°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-iris	DC drive
Day & Night	IR Cut Filter
WDR	120dB

Compression Standard	
Video Compression	H.264/MPEG4/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
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)

Image	
Max. Resolution	1920 × 1080
Frame Rate	50Hz: 50fps(1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080); 60Hz: 30fps (1920 × 1080)
Image Enhancement	BLC/3D DNR/ROI/Defog/EIS
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Regional Cropping	Support
Distortion Correction	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format

Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI

Interface	
Audio (-S)	1-ch 3.5 mm audio in(Mic in/Line in)/out interface
Communication Interface	1 RJ45 10M/100M Ethernet port;
Alarm (-S)	1 input, 1 output (up to DC24V 1A or AC110V 500mA)
Video Output (-S)	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes

HIKVISION

Dimensions

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)
License Plate Recognition	
LPR Setting	Recognition area & Country configurable, recognition accuracy: 96% (Speed Support up to:70km/h)
Info. Overlay	Camera No., camera info., capture time, plate info.
Image Setting	Picture quality & size configurable
OSD Setting	Font & Background color configurable
Integration	ONVIF: Capture time & License plate info. accessible
	GENETEC: Capture time & License plate info. accessible
	SDK & ISAPI: Capture time, License plate info., License plate & vehicle picture accessible
General	
Protection Level	IP67
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 (802.3af)
IR Distance	Up to 50m
Power Consumption	Max. 12 W
Dimensions	100×103.9×311.8 mm (3.94" × 4.09" × 12.28")
Weight	2000 g (4.41 lbs)
Order Models	
DS-2CD4A26FWD-IZ, DS-2CD4A26FWD-IZS, DS-2CD4A26FWD-IZH, DS-2CD4A26FWD-IZHS	