Hikvision's License Plate Recognition (LPR) ultra-low light smart camera is able to capture vehicle images and recognize the vehicle number (license) plate in dim light environments.

Hikvision's DS-2CD4A26FWD-IZHS/P camera offers high resolution, 120 dB WDR, auto-iris, PoE, defog, EIS, 3D DNR, IR, heater, alarm I/O, and audio I/O, etc., to meet a wide variety of applications.

The camera is available in 2.8–12 mm and 8–32 mm lens options and features an LP capture rate up to 99 percent and a recognition rate up to 95 percent.

Vehicle speeds of 75 mph (120 km/h) are supported. Up to four lanes of traffic can be monitored. Vehicle direction and recognition of vehicles both approaching and leaving are included.

Up to 2,048 whitelist (authorized) and blacklist (unauthorized) records can be maintained.

Available Models:
DS-2CD4A26FWD-IZHS/P: 2.8-12 mm zoom lens
DS-2CD4A26FWD-IZHS8/P: 8-32 mm zoom lens
Specifications

DS-2CD4A26FWD-IZHS/P

Camera
- Image Sensor: 1/1.8" progressive scan CMOS
- Minimum Illumination: Color: 0.0027 lux @ f/1.4, AGC on; 0 lux with IR
- Shutter Speed: 1 s to 1/100,000 s, supports slow shutter
- Lens: 2.8 mm to 12 mm, f/1.4, horizontal field of view: 92° to 32°; 8 mm to 32 mm, f/1.4, horizontal field of view: 42° to 13.5°
- Auto Iris: DC drive
- Day/Night: IR cut filter with auto switch
- Digital Noise Reduction: 3D DNR
- WDR: 120 dB

Compression Standard
- H.264 Type: Baseline Profile/Main Profile/High Profile
- H.264+ Supported
- Video Bit Rate: 32 Kbps to 16 Mbps
- Audio Compression: G.711/G.722.1/G.726/MJPEG
- Audio Bit Rate: 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-160 Kbps (MP2L2)

Image
- Maximum Resolution: 1920 × 1080
- Main Stream Maximum Frame Rate: 50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)
- Sub Stream Maximum Frame Rate: 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
- Third Stream Maximum Frame Rate: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
- Image Enhancement: Up to 20 channels simultaneous views
- Image Setting: Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or Web browser
- Region of Interest: Four fixed regions for each stream, and dynamic tracking
- Target Cropping: Supported
- Day/Night Switch: Auto/schedule/triggered by alarm in
- Analog Output: Supported, CVBS (4CIF resolution)
- Picture Overlay: Logo picture can be overlaid on video with 128 × 128 24-bit bmp format

Road Traffic & Vehicle Detection
- Accuracy: Capture rate up to 99%, recognition rate up to 95% (if Hikvision LPR Camera Installation Manual carefully followed)
- Vehicle Speed: Supports vehicle speeds under 74.6 m/h (120 km/h)
- Line Numbers: Up to four lines supported. Recommend setting 1 or 2 lines for best performance
- Direction: Supports capture and recognition of vehicles both approaching and leaving
- Whitelist and Blacklist: Up to 2,048

Network
- Network Storage: Supports microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
- Alarm Trigger: Road traffic, 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
- General Functions: One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter, mirror
- Standard: ONVIF (profile S, profile G), ISAPI

Interface
- Communication Interface: 1 RJ-45 10M/100M Ethernet port
- Audio: 1 audio input (line in/mic in), 1 audio output
- Alarm: 1 input, 1 output
- Video Output: 1Vp-p composite output (75 Ω/BNC)
- On-Board Storage: Built-in microSD/SDHC/SDXC slot, up to 128 GB
- Reset Button: Yes

Audio
- Environment Noise Filtering: Supported
- Audio I/O: Supported
- Audio Sampling Rate: 16 kHz/32 kHz/44.1 kHz/48 kHz

Security
- Three-level user authentication management, user and password authorization, IP address filtering, security certificate as HTTPS, lock user IP after pre-defined failed login attempts
- Operating Conditions: -40° to +140° F (-40° to +60° C), humidity 95% or less (non-condensing)
- Power Supply: 12 VDC ±10%, terminal block PoE (802.3at, class 4)
- Power Consumption and Current: 12VDC: 12 VDC, maximum 14.5 W, 1.3 A; PoE, maximum 19.2 W, 0.3 A to 0.5 A
- IR: 850 nm IR wavelength, up to 164 ft (50 m) for 2.8 to 12 mm lens, up to 328 ft (100 m) for 8 to 32 mm lens
- Heater: Supported
- Protection: IP67, lightning protection, surge protection, voltage transient protection, anti-static protection
- Dimensions: Camera: 3.94" × 4.09" × 12.28" (100 mm × 103.9 mm × 311.8 mm)
- Package: 15.20" × 6.14" × 6.10" (386 × 156 × 155 mm)
- Weight: 4.57 lb (2075 g)

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