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 mm–12 mm and 8 mm–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 mm–12 mm zoom lens
DS-2CD4A26FWD-IZHS8/P: 8 mm–32 mm zoom lens
### Specifications

#### Camera
- **Image Sensor**: 1/1.8" progressive scan CMOS
- **Minimum Illumination**: Color: 0.002 lux @ f/1.4; B/W: 0.1 lux @ f/1.4, ABC on; 0.1 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**: 5D DNR
- **Power Consumption**: 12 VDC, maximum 14.5 W, 1.3 A; PoE, maximum 15.8 W, 1.3 A
- **Environment Noise Filtering**: I125°/P: 40°, horizontal field of view: 125°; I128°: 40°, horizontal field of view: 128°; I129°: 40°, horizontal field of view: 129°
- **Audio Compression**: G.711/G.722.1/G.726/MP2L2
- **Audio Sampling Rate**: 16 kHz/44.1 kHz
- **Audio Input**: 1 audio input line in/mic in, 1 audio output
- **Audio Output**: 1 Vp-p composite output (75 Ω/BNC)
- **Video Output**: 1 Vp-p composite output (75 Ω/BNC)
- **HDD**: Support for up to 20 channels simultaneous recordings
- **Video Interface**: 1/1.8" CMOS
- **Video Compression**: Main stream: H.264/MPEG4; sub stream: H.264/MPEG4/JPEG
- **Security**: Three-level user authentication management, user and password authorization, IP address filtering, security certificate as HTTPS, lock user IP after predefined failed login attempts
- **Weight**: 4.57 lb (2075 g)

#### Compression Standard
- **H.264 Type**: Baseline Profile/High Profile
- **Video Bit Rate**: 32 Kbps to 16 Mbps
- **Audio Compression**: G.711/G.722.1/G.726/MP2L2
- **Audio Bit Rate**: 64 Kbps (G.711)/64 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: 50 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 × 576, 640 × 480, 352 × 288)
- **Third Stream Maximum Frame Rate**: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)
- **Interlace**: 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)
- **Live View**: Up to 20 channels simultaneous views
- **Image Enhancement**: BLC/3D DNR/digef Eis
- **Image Setting**: Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or Web browser
- **Target Cropping**: Yes
- **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
- **Capture Rate**: Rate up to 59%, recognition rate up to 95% (if Hikvision LPR Camera Installation Manual carefully followed)
- **Vehicle Speed**: Supports vehicle speeds under 4.8 mi/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, UDP, SMTP, SNMP, IGMP, RUDP, 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**: 1 Vp-p composite output (75 Ω/BNC)
- **USB 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

#### General
- **Security**: Three-level user authentication management, user and password authorization, IP address filtering, security certificate as HTTPS, lock user IP after predefined failed login attempts
- **Operating Conditions**: -40° to +140° F (-40° to +80° C), humidity 95% or less (non-condensing)
- **Power Supply**: 12 VDC ± 10%, terminal block PoE (802.3at, class 4)
- **Power Consumption and Current**: -12V/5A; 12VDC, 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 104 ft (30 m) for 2.8 mm to 12 mm lens, up to 328 ft (100 m) for 8 mm 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)
- **Weight**: 4.57 lb (2075 g)
Dimensions

Accessories (Not Included)

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<tr>
<th>PM</th>
<th>CM</th>
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<tr>
<td>Vertical Pole Mount</td>
<td>Corner Mount</td>
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Box Contents (Subject to Change without Notice)

- Backbox (CB130)
- Drill Template
- Machine Screws
- Quick Start Guide x 3
- Screws
- Watertight Cable Connector
- Wrench