The Hikvision DS-2CD7A26G0/P-IZHSx DeepinView Ultra-Low Light Outdoor LPR Bullet Camera is designed to capture vehicle images and recognize license plate numbers in a variety of lighting conditions.

The camera supports Darkfighter technology, which allows for viewing and recording in ultra low-light conditions. With a WDR of 140dB and Lightfighter technology, it provides superb image quality.

It is equipped with 2.8 to 12 mm and 8 to 32 mm motorized varifocal lenses, and offers an EXIR 2.0 IR range of up to 165 ft (50 m) and 330 ft (100 m).

The camera also has the capacity for up to 10,000 whitelist (authorized) and blacklist (unauthorized) records, which provides powerful access control functionality.

Available models:
DS-2CD7A26G0/P-IZHS
DS-2CD7A26G0/P-IZHS8

• 1/1.8” (2 MP) Progressive Scan CMOS
• 1920 x 1080 Resolution @ 60 fps
• EXIR 2.0 with up to 165 ft (50 m) and 330 ft (100 m) IR Range
• 2.8 to 12 mm and 8 to 32 mm Motorized Lenses
• Ultra-Low Light, 0.002 Lux (with f/1.2 Lens), Darkfighter Technology
• H.265+, H.265, H.264+, H.264
• 5 Defined Streams and 5 Custom Streams
• 140dB WDR, Lightfighter Technology
• Alarm Input/Output
• MicroSD Card Slot Supports 256 GB
• Specially-Designed Pole Mount Offers Perfect Height and Angle for License Plate Recognition
• Convenient Integrated Conduit Base
• Anti-Fog Coating Inside of Lens Cover
• IP67, IK10 Protection
• 12 VDC and PoE (802.3at)
### Specifications

**DS-2CD7A26G0/P-IZHS**

<table>
<thead>
<tr>
<th>Camera</th>
<th></th>
<th><strong>DS-2CD7A28G0/P-IZHS8</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
<td>1/1.8” Progressive Scan CMOS</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Illumination</strong></td>
<td>Color: 0.002 lux @ f/1.2, AGC on; 0 lux with IR</td>
<td></td>
</tr>
<tr>
<td><strong>Shutter Speed</strong></td>
<td>1 ms to 1/100,000 s</td>
<td></td>
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<tr>
<td><strong>Slow Shutter</strong></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td><strong>Day/Night</strong></td>
<td>IR Cut Filter</td>
<td></td>
</tr>
</tbody>
</table>

**Digital Noise Reduction**
- 30 DRN
- WDR: 14dB

**Angle Adjustment**
- Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°

**Lens**
- **Focal Length**: 2.8 to 12 mm
- **Aperture**: f/1.2
- **FOV Horizontal**: F0.06° to 38.6°, vertical F0.4° to 21.9°, diagonal F0.2° to 4.3°
- **FOV Horizontal**: 8 to 32 mm, horizontal FOV 42.5° to 13.4°, vertical FOV 23.4° to 7.7°, diagonal FOV 48° to 15.3°

**Power Consumption and Current**
- Min: 2.8 W, Max: 7.5 W

**Environment Noise Filtering**
- Audio Sample Rate: 32 kbps to 16 Mbps
- Audio Compression: H.265+, H.264+, H.264

**Specifications Subject to Change Without Notice.**

**Smart Features**
- **Perimeter Protection**: Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
- **Exception Detection**: Scene change detection, defocus detection
- **Face Detection**: Yes
- **Recognition**: License plate recognition
- **Region of Interest**: Four fixed regions for main stream, sub stream, third stream, fourth stream, and fifth stream, and dynamic tracking

**Traffic and Vehicle Detection**
- **Blacklist and Whitelist**: Maximum 10,000 records
- **Image**
  - **Max Resolution**: 1920 x 1080
  - **Main Stream**: 60 fps (1920 x 1080, 1280 x 960, 1280 x 720)
  - **Sub Stream**: 30 fps (704 x 480, 640 x 480)
  - **Third Stream**: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480)
  - **Fourth Stream**: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480)
  - **Fifth Stream**: 30 fps (704 x 480, 640 x 480)
  - **Custom Stream**: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480)
- **Image Enhancement**: BLC, HLC, 3D DNR, Defog, EIS, lens distortion correction
- **Image Setting**: Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
- **Target Cropping**: Yes
- **Target Cropping**: SVC H.264 and H.265 encoding
- **Day/Night Switching**: Day/night/auto/schedule/triggered by alarm in/triggered by video
- **Picture Overlay**: Logo picture can be overlaid on video with 128 x 24 bit bmp format

**Network**
- **Network Storage**: MicroSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS, SMB/CIFS), AMK
- **Alarm Trigger**: Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error, alarm for black and whitelisted license plates
- **Protocols**: TCP/IPv4, ICMP, HTTP/HTTPS, FTP, UPnP, SMTP, IPP, NTP, SNMP, IGMP, 802.1X, ARP, IP, PPPoE, DNS, DDNS, RTP, RTCP, M-JPEG, MJPEG, H264, H265
- **Security Measures**: Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filtering, basic and digest authentication for HTTP/HTTPS, WSSS, and digest authentication for ONVIF
- **General Function**: One-key reset, anti-flicker, five streams and five custom streams, heartbeat, password protection, privacy mask, watermark, and IP address filtering
- **API**: ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
- **Simultaneous Live View**: Up to 20 channels
- **User/Host**: User, Guest
- **Web Browser**: Plug-in required live view: IE 8+, Chrome 31.0 to 44, Mozilla Firefox 30.0 to 51, Safari 8.0 + Plug-in free live view: Chrome 45+, Mozilla Firefox 52+

**Interface**
- **Communication Interface**: One RJ45 10M/100M/1000M Ethernet port, one RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-I, self-adaptive)
- **Alarm**: Two inputs, two outputs (up to 24 VDC 1A or 110 VAC 500 mA)
- **Video Output**: One Vp-p composite output (75Ω/CVBS)
- **On-Board Storage**: Built-in microSD/SDHC/SDXC slot, up to 256 GB
- **BNC**: CVBS analog output (4:2:0 resolution), internal
- **Reset Button**: Yes

**Audio**
- **Environment Noise Filtering**: No
- **Audio Sampling Rate**: No

**General**
- **Operating Conditions**: -40°F to 140°F (-40°C to 60°C); humidity 95% or less (non-condensing)
- **Power Supply**: 12 VDC ± 20%, Two-core terminal block; PoE (802.3at, class 4)
- **Power Consumption and Current**: 12 VDC, 1.4 A, maximum 18.5 W; PoE (802.3at, 42.5 V to 57 V), 0.4 A to 0.3 A
- **Protection Level**: IP67, IK10
- **Housing**: Yes
- **Material**: Aluminum alloy
- **Dimensions**: Camera: Ø 5.5” x 118” (Φ 140 mm x 351 mm)
- **Weight**: Camera: 5.51 lbs (2.50 kg)

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Rev. 071219NA
## Accessories

<table>
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<tr>
<th>PM</th>
<th>CM</th>
<th>PM-LPR</th>
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</thead>
<tbody>
<tr>
<td>Pole Mount</td>
<td>Corner Mount</td>
<td>Pole Mount for LPR Camera</td>
</tr>
</tbody>
</table>

## Dimensions

![Camera Dimensions Diagram]

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM diameter</td>
<td>140 [5.5]</td>
</tr>
<tr>
<td>CM width</td>
<td>99 [3.9]</td>
</tr>
<tr>
<td>CM height</td>
<td>351 [13.8]</td>
</tr>
<tr>
<td>CM length</td>
<td>236 [9.3]</td>
</tr>
<tr>
<td>PM-LPR width</td>
<td>151 [5.9]</td>
</tr>
<tr>
<td>PM-LPR height</td>
<td>41 [1.6]</td>
</tr>
<tr>
<td>PM-LPR length</td>
<td>99 [3.9]</td>
</tr>
<tr>
<td>PM-LPR diameter</td>
<td>Ø140 [5.5]</td>
</tr>
</tbody>
</table>

Units: mm (inches)