CCTV Camera Pros LPR Camera System

www.cctvcamerapros.com
Features- (Monochrome camera)

- Sony 1/2” Exview CCD
- Built-in 75mm manual iris lens
- 600 TV lines resolution
- Ultra clear high-contrast license plate video
- 96PCS, high efficiency LED
- Selectable LED current modes
- High performance for license plate recognition (LPR/ANPR) applications
Features-Color camera

- 1/3” Sony Exview CCD
- 540 TVL (day mode)
- 600 TVL (night mode)
- Provide color overview vehicle images that show shape, color and other vehicle details
- Minimum lux 0.016 Lux
- ICR real day/night
- Built-in four intelligent traffic modes
- Built-in DNR (Digital Noise Reduction)
- BLC (Back light comprehension)
Features-Housing and Bracket

- Die-cast aluminum (3mm thick)
- 6mm thick tempered glass cover
- Vandal-proof and IP67 (with cable glands)
- Salt-damage resistance
- Side-open and internal cable arrangement design
- Heater, blower, sunshield and mounting adaptors are available
Why we need two cameras for traffic surveillance?

The monochrome camera produces high-contrast license plate images characterized by unmatched clarity.

Simultaneously, a second camera captures color overview images of vehicles for additional video evidence.
Ultra clear image

Sony 1/2” Exview CCD allows LPR System provides ultra clear image (up to 600TVL), attainable for any LED-based capture system.
LPR System B/W camera ships in 1/2 inch SONY Exview B/W CCD.

It can provide higher sensitivity, especially with infrared light supported.
70M, Long Life Time LED

LPR System equips 96 pcs LED. Far reach to 70M (230ft.)

Exceptional single control technology:
It can reduce power consumption and extend LED life time.
LPR/ANPR Applications

The monochrome camera aims for LPR (License Plate Recognition)/ANPR (Automatic Number Plate Recognition) Applications

- IR Distance: 20~70M
- For LPR recognition: 25~50M
- Best view for LPR: 25M
Exceptional Video Quality

• **Image Quality**
  
  DAY MODE: Up to 540 TVL / NIGHT MODE: Up to 600 TVL

• **Digital Noise Reduction**
  
  The camera features built-in digital noise reduction (DNR) technology to reduce image noise in low-light situations, lowering back-end costs.
OSD with Remote Control

The color camera embedded with OSD function. Easily access remote control far reach to 1.2 km by RS485, with PELCO P/D protocol.
ICR day/night functionality

- Low-light: To 0.016 lux (night)
- In adequate lighting: Color images (Accurate color unaffected by extraneous infrared light)
- In low-light situations: Black-and-white images enable the use of invisible infrared light sources, increase sensitivity, reduce color noise and lower back-end costs
Intelligent traffic modes

Simply activating intelligent Traffic-on function resolves all of the issues.
Four traffic modes

TRAFFIC 1

It’s applied to the speed from 20 km/hr to 110 km/hr. Please set the camera facing the car front.

TRAFFIC 2

It’s applied to higher auto speed environment, such as freeway. The speed is around 90 km/hr to 180 km/hr. Please set the camera facing the car front.
Four traffic modes

**TRAFFIC 3**

It’s applied to the speed from 20 km/hr to 110 km/hr. Please set the camera facing the cart front with angle.

**TRAFFIC 4**

It’s applied to parking area. The auto speed is around 0 km/hr to 20 km/hr. Please set the camera facing the car front.
Extreme environment applications

LPR System is housed in a weather-sealed unit compliant to IP67, proven for successful application in extreme environments.

*Heater and blower included.
Solid Housing

The housing is contraction of tough die-cast aluminum. The advantages of die-cast are vandal-proof and excellent adhesion.

Powder coating surface is good for salt-damage resistance.
Benchmark Comparison

CCTV Camera Pros
LPR Camera System

Extreme CCTV
REG-D1
Image Comparison

Color Camera - DAY MODE

![Image 1: 540TVL](image1)

Exceptional color expression!

![Image 2: 480TVL](image2)

CCTV Camera Pros LPR System

REG-D1
# Specifications

<table>
<thead>
<tr>
<th></th>
<th>CCTV Camera Pros LPR System</th>
<th>REG-D1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color</strong></td>
<td>B/W</td>
<td>Color</td>
</tr>
<tr>
<td><strong>CCD</strong></td>
<td>1/3&quot; SONY Exview CCD</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td></td>
<td>1/2&quot; SONY Exview CCD</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>540TVL</td>
<td>600TVL</td>
</tr>
<tr>
<td></td>
<td>600TVL</td>
<td>480TVL</td>
</tr>
<tr>
<td><strong>Min. Illumination</strong></td>
<td>0.01 Lux@F1.2</td>
<td>0 lux-works in total darkness</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>Vari-focal 6-50mm F1.6 IR-corrected</td>
<td>75 mm</td>
</tr>
<tr>
<td></td>
<td>75 mm</td>
<td>75 mm</td>
</tr>
<tr>
<td><strong>Infrared Illumination</strong></td>
<td>850nm</td>
<td>850nm</td>
</tr>
<tr>
<td><strong>LEDs</strong></td>
<td>96 pcs</td>
<td>102 pcs</td>
</tr>
<tr>
<td><strong>Power Requirement</strong></td>
<td>Dual voltage DC12V/AC24V</td>
<td>Dual voltage DC12V/AC24V</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td><strong>25W (MAX.)</strong></td>
<td>27W (MAX.)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>7 KG</td>
<td>6.2 KG</td>
</tr>
<tr>
<td><strong>IP67</strong></td>
<td><strong>YES</strong></td>
<td>NO</td>
</tr>
</tbody>
</table>
System in use

CCTV Camera
Pros LPR System

REG-D1
Image Comparison

Monochrome Camera

CCTV Camera Pros
LPR System

REG-D1
Image Comparison

Color Camera - NIGHT MODE

600TVL
Selectable day/night modes.

WIN

CCTV Camera Pros LPR System

480TVL
No night mode
No receive infrared light always color mode!

Extreme CCTV® REG-D1
## Color Camera D/N Function Comparison

<table>
<thead>
<tr>
<th>Function</th>
<th>Pros LPR System</th>
<th>CCTV Camera</th>
<th>OSD</th>
<th>DAY/NIGHT MODE</th>
<th>DAY/NIGHT DELAY</th>
<th>DAY/NIGHT LEVEL</th>
<th>REG-D1</th>
</tr>
</thead>
<tbody>
<tr>
<td>D/N MODE</td>
<td>LPR</td>
<td></td>
<td>✔️</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>D/N LEVEL</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>DAY/NIGHT DELAY</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>DAY/NIGHT LEVEL</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>EXPOSURE</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>TRAFFIC</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>SHUTTER</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>GAIN</td>
<td></td>
<td></td>
<td></td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>BLC3</td>
<td></td>
<td></td>
<td>✔️</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>NEXT EXIT CANCEL DEFAULT</td>
<td></td>
<td></td>
<td>✔️</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
</tbody>
</table>

**WIN**
Color Camera Function Comparison

- **GSS OSD**: Pros LPR System
- **GAIN CONTROL**: No
- **BLC (Back light compensation)**: No
- **REG-D1**: No

**CCTV Camera**
Traffic mode for license plate capture
Mechanical Comparison

CCTV Camera Pros
LPR System

Die-cast aluminum

REG-D1

Extruded aluminum
Installation Comparison

- CCTV Camera Pros
  - LPR System
  - Side open for easy installation
  - \textbf{WIN}

- REG-D1
  - Hard to adjust the lens
Why CCTV Camera Pros LPR System is the best buy?

- Ultra clear license plate capture, up to 600TVL
- ½” SONY CCD: higher sensitivity
- 96pcs LED 70M IR distance with high efficiency
- Ideal partner for LPR/ANPR applications
- Color camera resolution up 540TVL/600TVL
- Easy to access setting via OSD for two cameras
- Several function selectable for color camera
- Solid housing, rated to IP67, die-cast aluminum and salt-damage resistance
- Easy installation with side-open housing and cable management channel

www.cctvcamerapros.com