

# License plate recognition



## Key features

- Built into VideoEdge NVR – no additional server required
- Global support for vehicle plate identification including BIC international containment codes
- Keep alarms from triggering for vehicles that arrive daily while ensuring prohibited vehicles are identified
- Fuzzy match allows for enhanced detection of commonly confused characteristics

## Quickly identify vehicles with automated LPR

License Plate Recognition (LPR) from victor and VideoEdge allows system operators to identify, track and analyze vehicles at entry and exit points without adding an additional server to the infrastructure. Automatically capture license plates in both stop & go and slow moving traffic to be reviewed later, removing the need for a dedicated LPR operator.

Detect unwanted visitors, or alert customer service when an important person has entered the area, for enhanced outdoor surveillance. Find plates containing commonly confused characters when utilizing the fuzzy match search option for fast investigations in the event of a vehicle break-in or vandalism.

Broad regional support allows operators from multiple countries to identify license plate characters, leading to a greater percentage of matches.



## Ensure reliability and business continuity with a cybersecurity program

VideoEdge NVRs have been designed to be resilient against cyber threats. This solution includes a security audit page that allows administrators to quickly determine if the proper levels of protection are applied. Access to victor's critical functions, including privacy related data, can be tightly controlled from a centralized location with built-in support for user account management via Microsoft Active Directory. The VideoEdge NVRs and victor VMS adhere to the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program. The holistic approach to cyber protection is aimed at providing peace of mind to our customers. Our security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

## Camera installation specifications

Setting	Recommendation
Lens Type	Telephoto with FOV 6 to 8ft/1.8 to 2.4m wide
Camera Position	No more than 20° off-center of license plate
Camera Distance	15 to 50ft/4.6 to 15.2m
Camera Height	3 to 30ft/0.9 to 9.1m high with >30° angle to license plate
Plate Characters	20 to 45 pixels in height
Additional Camera Features (Ideal)	Low-light sensitivity, noise reduction, IR illumination, high shutter speed

## Recommended camera settings

Default			Maximum	
Camera Type	Resolution	Distance	Resolution	Distance
Illustra Pro 2MP IP Mini-Dome				
Lens Length: 3mm	640x360	Up to 6ft/1.8m	1920x1080	Up to 18ft/5.5m
Lens Length: 9mm	640x360	Up to 18.4ft/5.6m	1920x1080	15 to 50ft/4.6 to 15.2m
Illustra Flex 3MP Bullet				
Lens Length: 2.8mm	640x360	Up to 4.6ft/1.4m	1920x1080	Up to 13.7ft/4.2m
Lens Length: 12mm	640x360	Up to 14.1ft/4.3m	1920x1080	Up to 42.2ft/13m

## Supported regions

Country	States
USA	USA (Multi-State), Alabama, Arkansas, Arizona, California, Colorado, Connecticut, Delaware, Georgia, Hawaii, Idaho, Illinois, Iowa, Kentucky, Maryland (Generic), Maryland (Trucks since 2004), Maryland (since 2014), Massachusetts, Minnesota, Missouri, Mississippi, Montana, New Hampshire, New Jersey, New Mexico, New York, Nevada, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, Wyoming
Africa	Algeria, Benin, Burkina Faso, Burundi, Botswana, Cameroon, Democratic Republic of Congo, Egypt, Ghana, Kenya, Lesotho, Mali, Mauritius, Morocco, Mozambique, Namibia, Nigeria, Republic of the Congo, Rwanda, Swaziland, Tanzania, Tunisia, Uganda, Zimbabwe
Asia	Azerbaijan, Brunei, China, China - Military, Georgia, Hong Kong, India, Indonesia, Iran, Israel, Kazakhstan, Kuwait, Macao, Malaysia, Mongolia (Generic), Mongolia (Two lines plate), Oman, Pakistan (Punjab), Pakistan (Generic), Pakistan (Islamabad), Phillippines, Qatar (until 2011), Qatar (European style), Qatar (Narrow and wide), Russia, Saudi Arabia (until 2007), Saudi Arabia (since 2007), Singapore, South Korea, South Korea (Public services), Taiwan (until 2012), Taiwan (since 2012), Thailand, Turkmenistan, Turkey, Uzbekistan, Vietnam
Australia	Australia (Multi-State), Australia (Bus and Taxi), A.C.T, New South Wales (Standard), New South Wales (Premium), New South Wales (European style), Northern Territory, Queensland (Standard), Queensland (European style), South Australia, Tasmania, Victoria (Standard), Victoria (European style), Western Australia, New Zealand
Canada	Alberta, British Columbia, Canada (Multi-state), Ontario, Quebec
Mexico	Mexico
Europe	Europe (Multi-country), Austria, Albania, Belarus, Belgium (until 2010), Belgium (since 2010), Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Faroe Islands, Finland (Aland Islands), France (until 2009), France (since 2009), Germany, Greece (until 2004), Greece (since 2004), Greece (Official), Hungary, Iceland, Ireland, Italy, Kosovo (until 2010), Kosovo (since 2010), Latvia, Lichtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Monaco, Montenegro, Netherlands, Norway (Generic), Norway (since 2017), Poland, Portugal, Romania, Serbia (until 2011), Serbia (since 2011), Slovakia, Slovenia, Spain, Sweden (until 2014), Sweden (since 2014), Switzerland, Ukraine (Generic), Ukraine (Military since 1992), United Kingdom
Middle East	Ajman, Abu Dhabi, Bahrain, Dubai, Fujairah, Iran, Iran (Outside Country), Israel, Jordan, Kuwait, Oman, Palestine, Qatar, Ras al-Khaimah, Saudi Arabia, Sharjah, Umm al-Quwain
South Africa	South Africa (Multi-Province), Eastern Cape, Free State, Gauteng, KwaZulu-Natal, Limpopo, Mpumalanga, Northern Cape, North West, Western Cape
South America & Caribbean	Argentina (Mercosur), Bahamas, Bolivia, Brazil, Chile, Colombia, Dominican Republic, Ecuador, Guatemala, Guyana, Honduras, Jamaica, Nicaragua, Panama (Generic), Panama (since 2012), Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay, Venezuela
Other	BIC Container Codes

\*For regions not listed, please contact your sales representative.

## Ordering information

Part Number	Description
ADVC-VELRP	VideoEdge NVR LPR/ANPR Add-on License for 1 Video Analytic Channel (Centrally Managed License)
ADVC-SASVELPR	Victor Enterprise SAS Centrally Managed VideoEdge IP Camera License Plate Recognition (LPR)- Single Camera License
ADVLEPRC01	VideoEdge NVR LPR/ANPR Add-on License. For 1 Analytic Channel (Local License)



## Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers and manufacturing. With a global team of 105,000 experts in more than 150 countries and over 130 years of innovation, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, York®, Metasys®, Ruskin®, Titus®, Frick®, Penn®, Sabroe®, Simplex®, Ansul® and Grinnell®.

For additional information, please visit [www.americandynamics.net](http://www.americandynamics.net) or follow us on Facebook, Twitter, and LinkedIn.

© 2020 Johnson Controls. All rights reserved. Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative.

AD1137-DS-201908-R03-HS-EN

The power behind **your mission**

