

AI on Traffic and Parking Management



Together with IONetworks AI solution, vehicle control and management are easy to achieve



Transform Parking with Intelligence

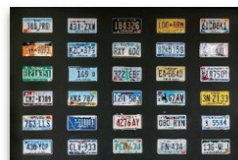


Our Smart Traffic&Parking Solution integrates AI-powered deep learning and real-time vehicle recognition to optimize parking space management. With the recognition rate is over 95% and objects can be recognized in 20-70 milliseconds, multi-vehicle detection, and advanced scene adaptability, we help cities and facilities increase efficiency, reduce misjudgments, and create a seamless parking experience - day or night.



Precise recognition

The recognition rate is over 95% and objects can be recognized in 20-70 milliseconds. When the IP cam installs inside the car, the recognition rate is higher than 90%.



Applicable to multination

Accurately identifying multi-national license plates.



IR image recognition at night

Improving the recognition rate in the low illuminated condition through the labeling and training of the IR images.



Massive data and extensive experience

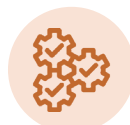
2 million vehicle-related data for training and high recognition rate.



Instant Alarm



Event Record



Flexible



No. 242, Bo'AI St., Shu-Lin Dist, New Taipei City 238, Taiwan
Tel: +886-2-7731-8888 Fax: +886-2-7731-9888
E-mail: info@portwell.com.tw
www.portwell.com.tw

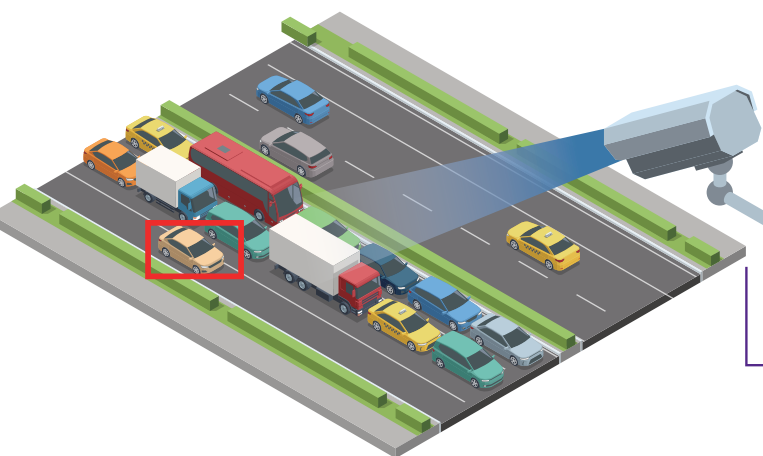


Rm. C503, 5F., No. 30, Baogao Rd., Xindian Dist., New Taipei City 231029, Taiwan
Tel: +886-2-2218-0545
E-mail: support@ionetworks.co
<https://ionetworks.co/en/>



Smart Traffic

Together with ioNetworks AI solution, vehicle control and management are easy and 24/7. Introduce AI into traffic management, it can not only support real-time license plate recognition but also detect various traffic violations.



Database analysis

WEBS-45J1



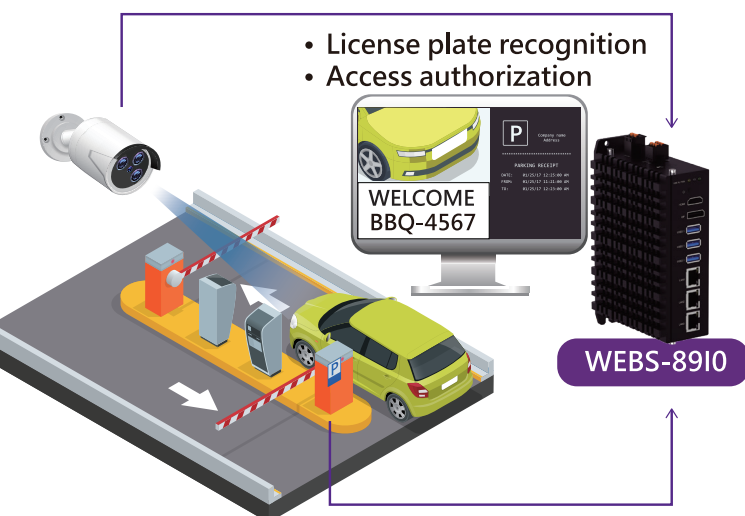
PJA1-100-OX16G

ioNetworks Solution

- Traffic violations detection
- License plate recognition

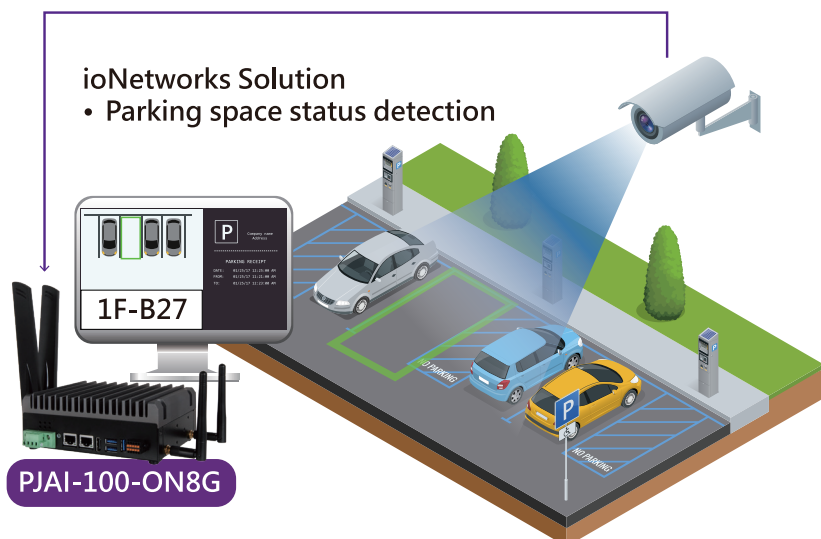
Smart Parking

AI is widely used in parking lot management to save manpower and users' time. In this smart parking solution, vehicle access authorization can be easily controlled and managed. It also informs the available space to the driver to shorten the time of finding a space.



- License plate recognition
- Access authorization

WEBS-8910



- ioNetworks Solution
- Parking space status detection

PJA1-100-ON8G

PJA1-100



- Edge AI system with NVIDIA Jetson Orin NX / Nano module, up to 100 TOPS
- 4GB/8GB 64-bit LPDDR5 (By SOM)
- 1x M.2 2280 M-Key NVMe (PCIe x4)
- Supports 1x M.2 2230 E-Key, 1x M.2 3042/3052 B-Key and 2x Nano SIM slots
- Supports 2x RJ45 GbE and 3x USB 3.2 Type A ports



PJA1-100

WEBS-8910



- Fanless platform to support wide operating temperature -20 ~ 60°C with Intel® Celeron® J6412 SoC
- 1x SO-DIMM DDR4-3200MHz up to 32GB
- 3x RJ45 GbE
- 1x RS-232 and 1x RS-485 supported
- 1x M.2 2242 for SSD and 1x miniPCIe for Wi-Fi/4G options
- Optional pre-assembled with Hailo-8R Mini PCIe AI Accelerator Module



WEBS-8910