

EDGE LPR APPLIANCE



Artificial Intelligence has been transforming computer vision methodologies to deliver more reliable and effective solutions for License Plate Recognition (LPR). VANDI offers Deep Learning based LPR technology on its dedicated edge appliances, optimizing network bandwidth usage and reducing backend processing.

- **Embedded Intelligence**
- **Integrated Edge Storage**
- **HD Video Streaming**
- **Open Architecture**
- **LPR on-board**



The innovative **VANDiWare®** solution has been specifically conceived and designed to perform the essential functionalities based on the Intelligent Transportation System (ITS) requirements and ensuring protection of critical infrastructure facilities - allowing easy setup and simple installation. Powered with embedded AI LPR analytics, VANDI LPR Appliance detect vehicles and recognize License Plates with highest accuracy.



Designed with open architecture and better computing power, VANDI LPR Appliance offers additional functionalities beyond LPR, that provides complete solution seamlessly – saving time, cost and space enabling better scalability and complex integrations.

Recognition Speed : 70 kmph
Recognition Rate : 95% more
Capture Distance : 15-20 meters

VANDiWare® allows users to have authenticated access to the integrated edge storage, provides HD Video Streaming, manages system parameters and defines automated response scenarios.

LICENSE PLATE RECOGNITION (LPR/ANPR)

- ➔ **Parking Management**
- ➔ **Toll Enforcement**
- ➔ **Traffic Monitoring**
- ➔ **Access Control**
- ➔ **Highway Monitoring**
- ➔ **Critical Infrastructure**
- ➔ **Weigh-in Motion**

EDGE LPR APPLIANCE



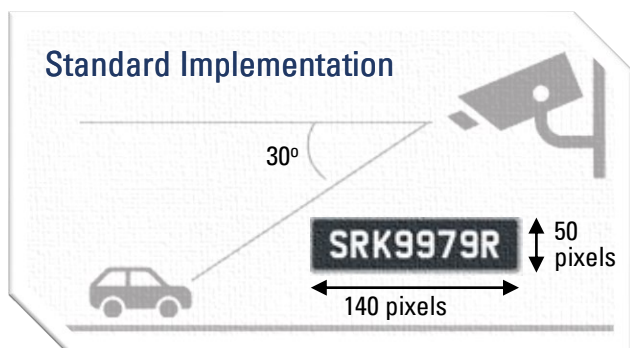
System

LPR camera	2 Megapixels
Illumination	Color : 0.002 Lux @ F1.2 B/W : 0 Lux with IR on
Image Sensor	1/2.8" Progressive Scan CMOS
Focal Length	5.3~64mm, 12x Optical Zoom
PTZ	360° endless, 255 Presets, 8 Patrol
Digital I/O	1 input & 1 output
Connectors	Audio, I/O, Network
Ethernet	RJ45 10/100Mbps
Storage	microSD up to 128GB
Audio	SIP / VoIP Support

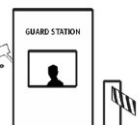
LPR Features and Performance

Lane Detected	2
Max Vehicle Speed	70 kmph
Working Distance	15-20 meters
Detection	98%
Reading	more than 95%
Recognition Method	Deep Learning Based LPR
Compression	H.265+ / H.264+ / MJPEG
Streaming	HD Color Video : ONVIF

Standard Implementation



Security Guard Station



Configuration and Operation

Web Server	Installation & Configuration
TCP/IP	Monitoring (SDK)
Date and Time	NTP
Operating Software	VANDiWare®
Monitor & Control	via Web Interface
Network Storage	NAS (Support NFS,SMB/CIFS)
Standard Protocols	UDP, RTP, RTSP, FTP, HTTPS, SMTP, SNMP, UPnP, SIP
Security	User Authentication, Watermark, IP filtering
Integration	VMS, PSIM, NVR, C4I, ISMS

Environmental Data

Operating Humidity	0~90%(Non-condensing)
Operating Temperature	-35°C ~ 60°C
Weatherproof	IP 66
POE	Yes
Power consumption	11.5W Max 15.5W Max (With IR on)
Weight	2 Kgs

Ordering Information

EDGE LPR Appliance	VNA-89XX-D10
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