

TRAFFIC 2.0

Intelligent Transportation System



Efficient and effective transportation systems has emerged as a vital component for any thriving city. An intelligent system holistically monitor the functioning of different traffic systems, smartly manage traffic congestion, intervene whenever required and provide information on real-time basis or in advance.

- **Traffic Monitoring**
- **LIVE Traffic Statistics**
- **Intelligent Traffic Analysis**
- **Open Architecture**
- **Reports & Predictions**

The innovative **VANDiWare®** solution has been specifically conceived and designed to perform the essential functionalities based on the Intelligent Transportation System (ITS) requirements. **Traffic 2.0** offers out-of-box solutions to law enforcement authorities for traffic monitoring and analysis, detection of traffic violations and speed limit, Live Traffic statistics, etc. ITS has emerged as game changer for traffic and transportation systems in urban agglomerate.



Pre-emptive analysis helps to smooth traffic flows, reduce congestion and hence reduce certain types of accidents – increasing the capacity of existing infrastructure.

Traffic Statistics	:	Monitoring
Data Analysis	:	Management
Situational Awareness	:	Visualization
Traffic Signaling	:	Response

Designed with open architecture, Traffic 2.0 helps to seamlessly manage system parameters and defines automated response scenarios - saving time, cost and space enabling better scalability and complex integrations.

INTELLIGENT TRANSPORTATION SYSTEMS

- ➔ **Traffic Optimization**
- ➔ **Automatic Road Enforcement**
- ➔ **Cooperative ITS Systems on Road**
- ➔ **Traffic Violations**
- ➔ **Highway Monitoring**
- ➔ **Automated Toll Collection**
- ➔ **Parking Management**

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System

Traffic Analytics	Vehicle Classification Motorist Violations - Human Traffic Violations - Vehicle Speed Detection Traffic Light Violation Traffic Congestion
LIVE Dashboard	Traffic Statistics Congestion ,Peak Hour, etc. Real-Time Traffic Flow
Reports	Time, Data, Rule based Reports Customizable for Traffic SOP

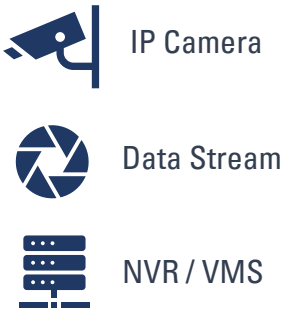


Features and Performance

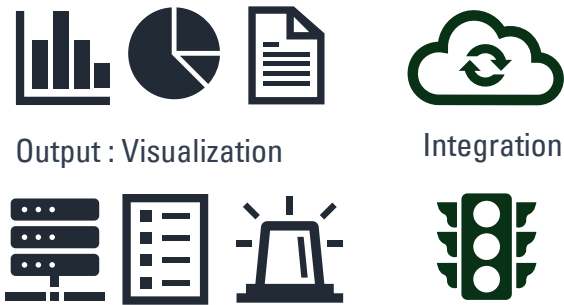
Lanes Detected	2-4
Max Vehicle Speed	120 kmph
Working Distance	15-30 meters
Detection	95%
Performance	more than 90%
Recognition Method	Deep Learning
Video Streams	H.265+ / H.264+ / MJPEG

Configuration and Operation

Independent	Installation & Configuration
Integrated	Monitoring (SDK)
Monitor & Control	via Web Interface
Operating Software	VANDiWare® Traffic 2.0
Standard Protocols	RTSP, FTP, HTTPS, SNMP,SIP
Data Exchange	ODBC & Open Standards
Device Interfaces	Lidar, Loop Detector, TLC.
Integration	VMS, PSIM, NVR, C4I, ISMS



VANDiWare®



Ordering Information

Vehicle Classification	VNX-5010-E10
Speed Detection	VNX-5020-E10
Motorist Violations - Human	VNX-5030-E10
Traffic Violations - Vehicle	VNX-5050-E10
Traffic Light Violation	VNX-5040-E10
Traffic Operations Intelligence	VNX-5000-E10
Traffic Signalling	VNX-5005-E10
LIVE Dashboard 2.0	VNX-5080-E10
Traffic 2.0 Reports	VNX-5090-E10