

SECURITY & SURVEILLANCE

Smart Cities

Presented by:

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Head- Business Development

26.08.2021 - Thursday

Norden Communication UK Ltd.

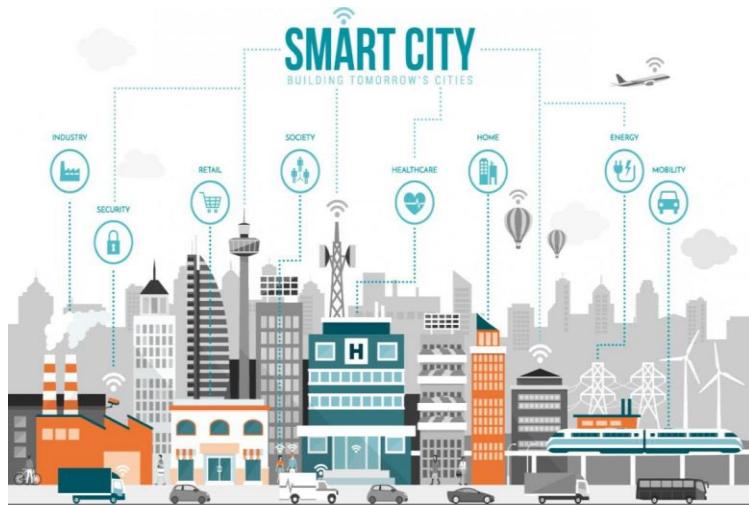
Welcome to Norden



- Headquarters just outside London, UK since 1998.
- The main markets serviced by Norden are Middle East, Africa, Asia, Europe & UK.
- Source-source supplier to IT & Security channels.
- Dedicated quality assurance team operates a quality management system certified by ISO.
- NORDEN has many approvals incl. UL, CE, FCC, ROHS, Intertek (ETL), CPR & LPCB Certification.



Smart City CCTV Features



➤ Surveillance Solutions

- Surveillance System
- FRS (Face Recognition System)

➤ ITMS (Intelligent Traffic Management System)

- ANPR (Automatic Number Plate Recognition)
- RLVD (Red Light Violence Detection)
- SVD (Speed Violation Detection)
- No Helmet Detection
- Illegal Parking Detection

➤ Vehicle Solutions

- Vehicle Camera
- Mobile NVR

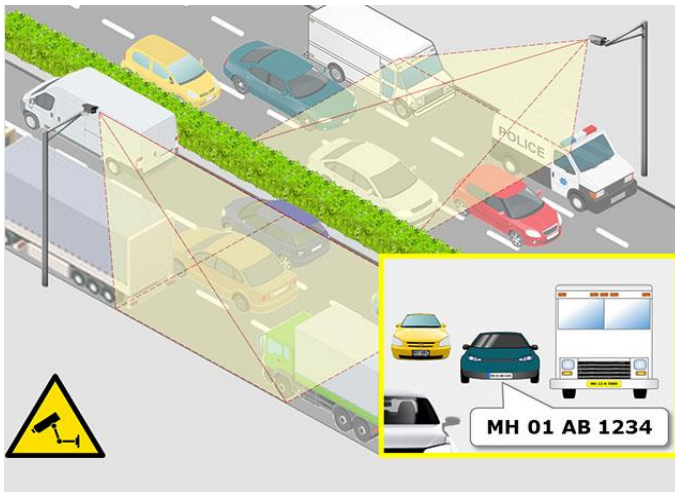
➤ Thermal Solutions

- Temperature Detection Cameras

■ Project Credibility

■ Varanasi

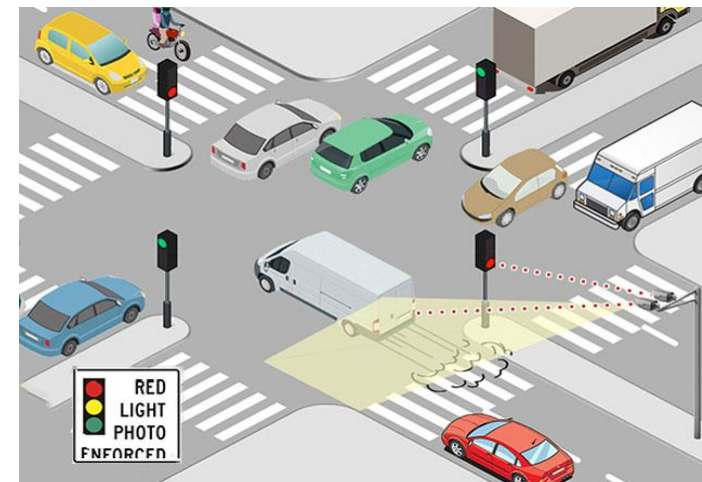
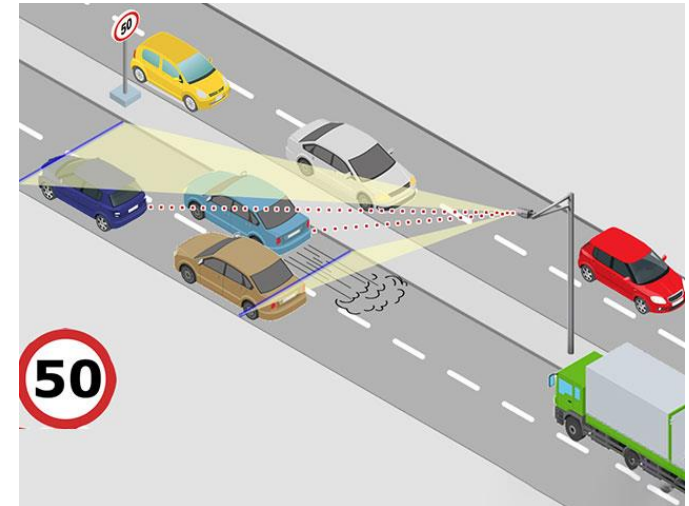
- Live for 1 year
- 2183 cameras
- CCTV Requirement
 - General Surveillance
 - Deterrent Effect
 - Smart Surveillance
 - ANPR
 - Facial Recognition



■ Project Credibility

■ Trivandrum

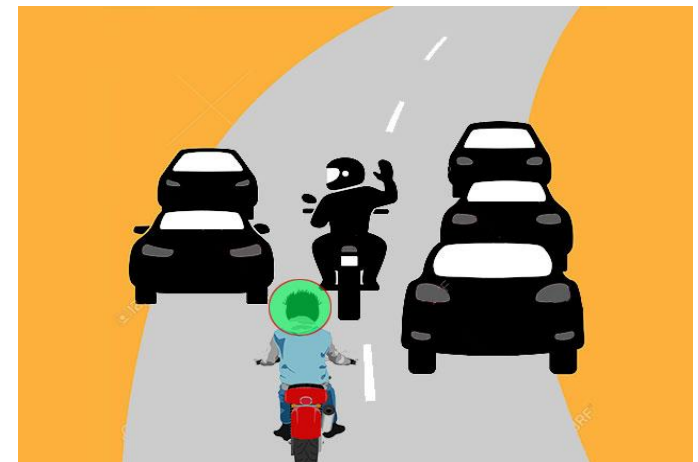
- Current Live Project Complete end 2021
- 1100 cameras
- CCTV Requirement
 - Smart Surveillance
 - ANPR
 - Facial Recognition
 - (Red Light Violence Detection)
 - SVD (Speed Violation Detection)
 - No Helmet Detection
 - Illegal Parking Detection



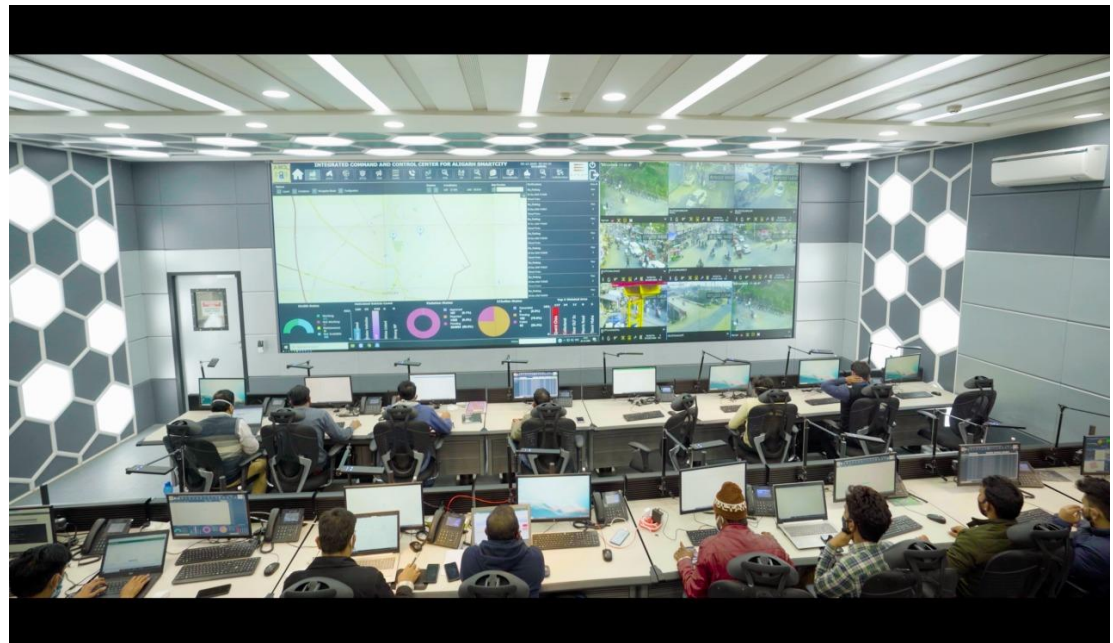
■ Project Credibility

■ Noida

- Just awarded
- 1100 cameras
- CCTV Requirement
 - Smart Surveillance
 - ANPR
 - Facial Recognition
 - (Red Light Violence Detection)
 - SVD (Speed Violation Detection)
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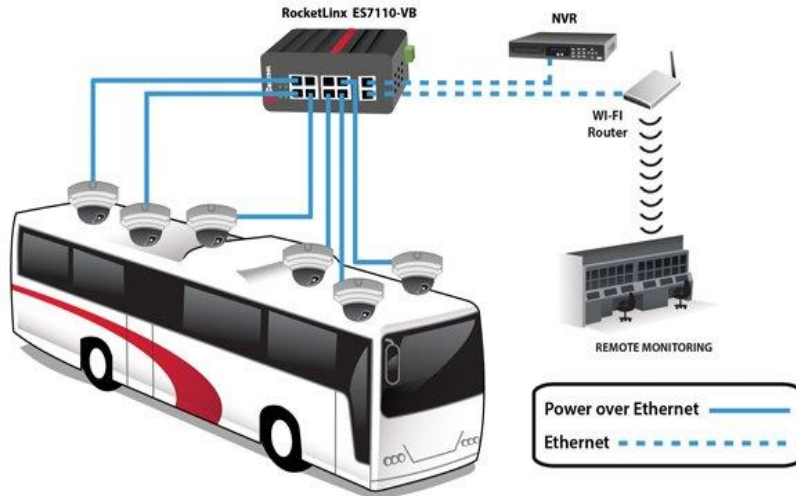


- **Project Credibility**
 - **Vietnam –An Giang**
 - Awarded 2019
 - 2036 cameras
 - CCTV Requirement
 - General Surveillance
 - Deterrent Effect



Mobile Solution

Vehicle Cameras and Mobile NVR



Vehicle Cameras in public buses helps to detect the crime and accidents (vandalism, pickpocketing, traffic incidents) Irregular driving behaviour (fatigue driving, over-speed, sharp turn, rapid acceleration, idling).

Mobile NVR equipped with GPS-sensor inside the bus is able to detect vehicle collision or crash accident and push an alarm to notify the control centre.

Getting updates and alerts on bus location , direction, speed so that control centre can assist driver immediately with audio if an abnormal situation happens.

Thermal Solution

Temperature Detection Camera

EARLY DETECTION IS THE BEST DEFENCE AGAINST A CORONAVIRUS OUTBREAK !!



2MP IP DUAL SENSOR BODY TEMPERATURE DETECTION BULLET CAMERA

We are adding to our unique and extensive range of surveillance system – a dual sensor body temperature detection camera. For a start, the camera is favourable for a smart human body temperature detection, up to 16 targets at a time. It uses 8mm thermal fixed lens and 2.7-12 mm motorized visible lens with a remarkable overall performance. Over temperature detection alarm and temperature difference alarm, along with a precise temperature measurement is a characteristic feature of this thermal camera. A solitary feature of this camera is in efficient epidemic prevention and control.

- Uncooled IRFPA Microbolometer
- One IP address Two channels
- Effective Pixels 400x300
- Sensitivity 40mK
- Thermal: 8mm Fixed lens
- Visible: 2.7-12mm motorized lens
- Accuracy 0.3°C
- Body detection, up to 16 Targets
- Response Time 30ms
- 17 color control

EYENOR[®]
A **NORDEN**[®] BRAND

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Thermal Temperature Monitoring Solutions promote non-contact temperature measurements at key entry/exit points within offices, stores etc to help detect elevated temperatures while limiting direct interaction between people.

This is ideal for measuring several people at a time and while in motion with high accuracy. Video can be recorded to keep track of all measurements.

Capable of non-contact measuring the body temperature of a group of 16 upto persons in less than 30 ms and with a margin of error of $< 0.3^{\circ}\text{C}$

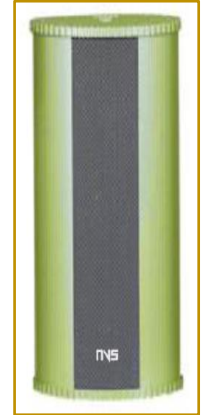
Public Address Solutions



- NVS is a brand from Norden offering state-of-the-art Digital Signal Processing technologies and Public Address System with international standards.
- NVS, with its continued research and product evolution has brought up the technologies and product that are ideal for the modern world public address requirements.
- NVS have wide range of products like IP based Public address & Intercom system, Evacuation (EVAC) System, Audio conference system, Public address Digital & Analogue amplifier, Public address Speakers, Wireless Microphone, Audio matrix system and many more.

Public Address

Complete Portfolio



In Conclusion

Choose Norden for your Smart City Project

- Single Source Brand
- Solution led design
- Standards Compliant
- Very Flexible & Adaptable
- Many 3rd Party Certifications and Approvals
- Robust and Environmentally proven



Structured Cabling



IP CCTV



Access Control



Public Address

Thank You



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