



**Journey to Boundless Connectivity**

# Safe City Solution



- 1** Smart City Overview
- 2** Safe City Solution



# The Challenges of Cities

## Cities are Facing Unprecedented Challenges



Public Security



Food Safety



Traffic Problem



Environmental Pollution



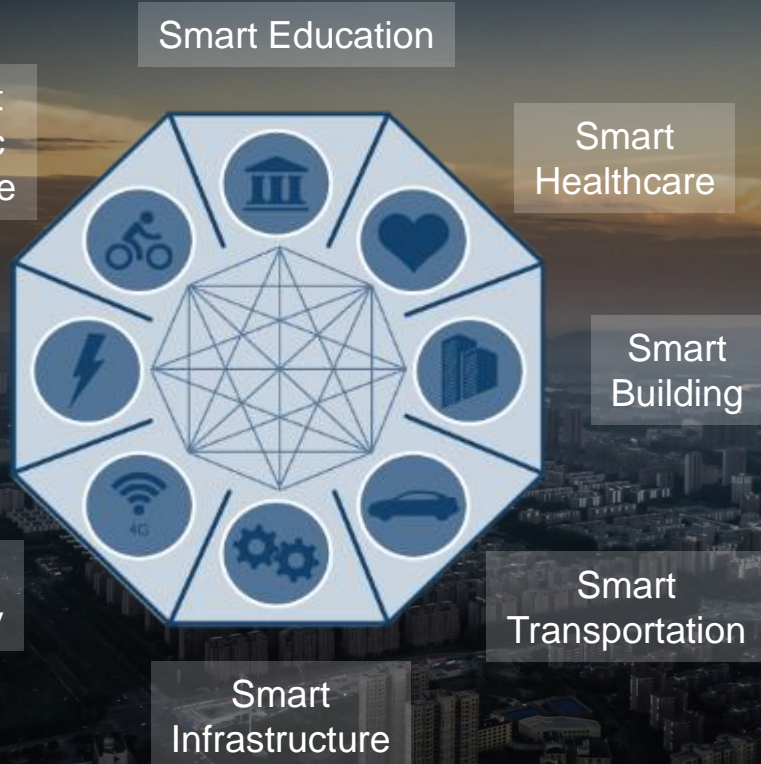
Energy Shortage



# Smart City Concept

“Smart City ”connects human and social capital with ICT infrastructure in order to address public issues, achieve a sustainable development and increase the quality of life of its citizens.

## SMART CITY CONCEPTS



### Smart Education

- Smart Classroom
- Performance Management

### Smart Healthcare

- Smart Care Management
- Smart Medicine Supply
- Mobile Health
- Remote Diagnosis

### Smart Building

- Energy Optimization
- Facility Management
- Video Surveillance
- Automatic Fault Detection Diagnosis
- Supervisory Control

### Smart Public Services

- Smart Citizen Services
- Smart Tax Administration
- Smart Emergency Response

### Smart Energy

- Smart Metering
- Energy Optimization
- Demand Planning
- Operations Control

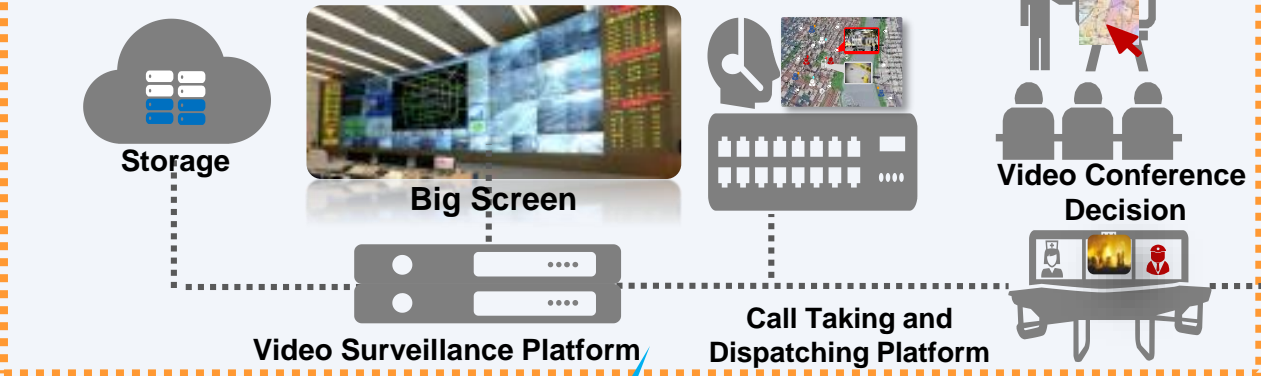
### Smart Transportation

- Smart Public Transportation
- Tolling Solutions
- Real-time Traffic Management
- Smart Parking
- Traveler Information System

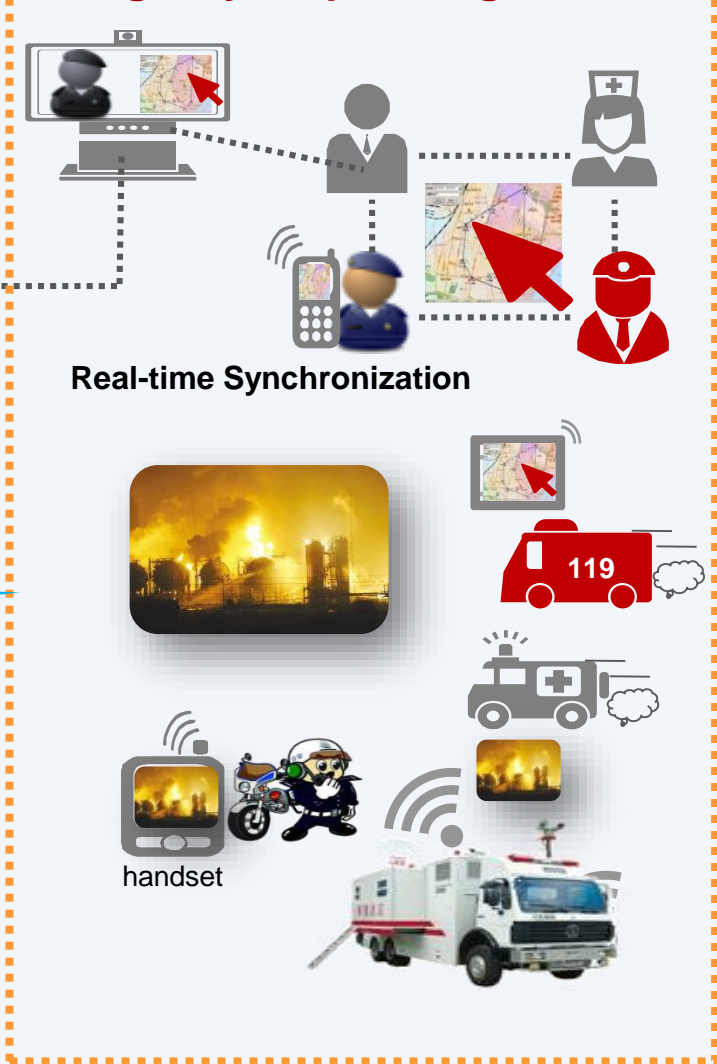


# Smart City Architecture

## Convergent Command Center



## Emergency Dispatching





- 1** Smart City Overview
- 2** Safe City Solution



# Concerns in Safe City Application

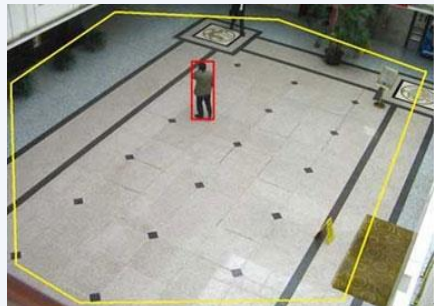


Difficult to manage



Frequent criminal cases

- With large numbers of people and vehicles, the city is hard to manage and its security is difficult to maintain, thus affecting people's daily life.



Unintelligent devices



Low efficiency

- Most of city's current surveillance system lacks smart functions, which costs a lot of manpower and has low efficiency.



Dispersive points

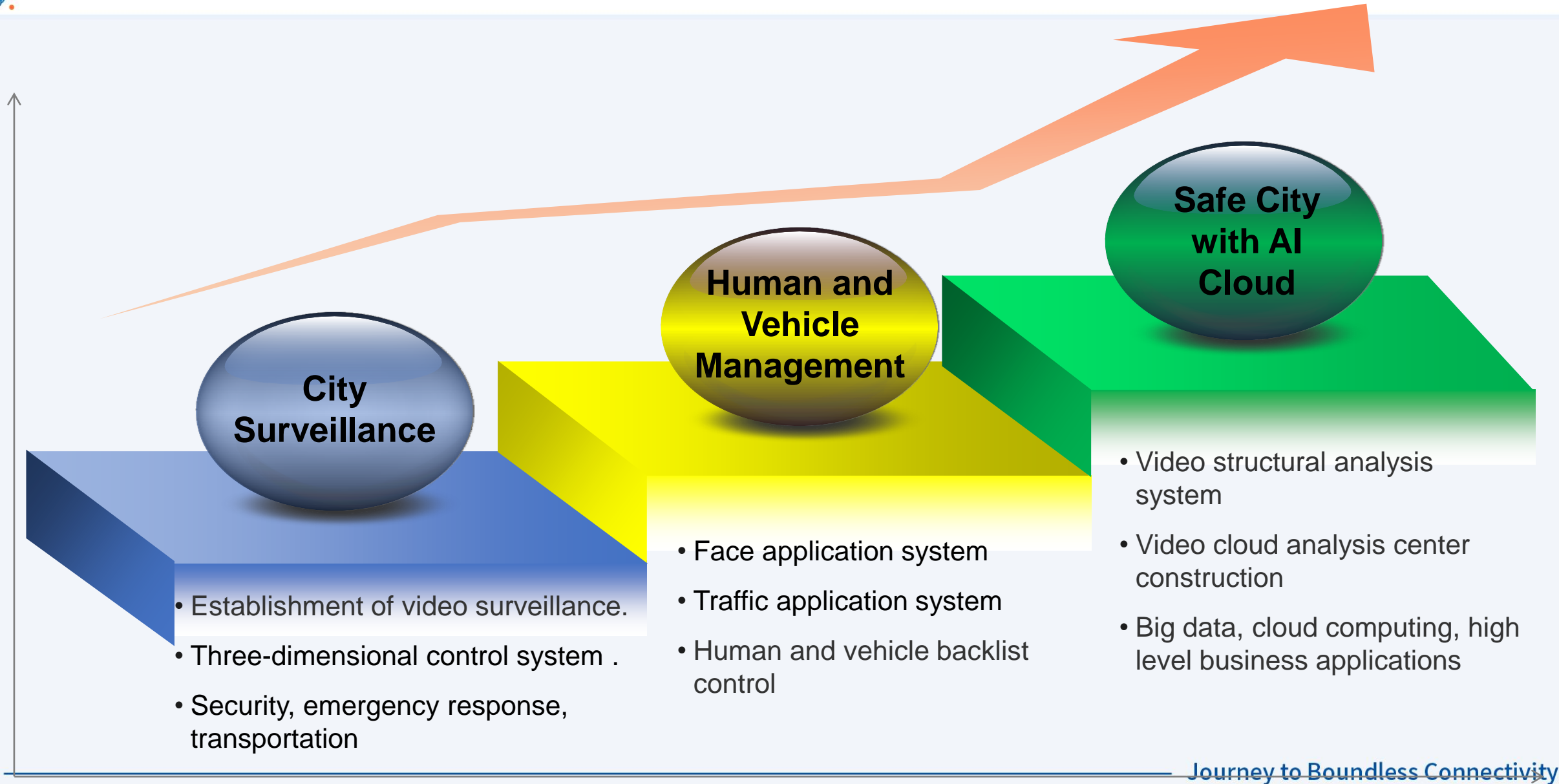


Unclear image

- Most surveillance system has scattered monitoring sites and cannot cover the entire city. The image is not clear enough which affects the system's performance.



# Roadmap of Safe City Development







# Objectives of Safe City Construction

## Full Awareness

- Video Monitoring
- Sensor Monitoring
- Alarm Linkage



## Scientific Prediction

- Intelligent Identification and Analysis
- Forecast and Early Warning
- Situation Analysis



## Efficient Decisions

- Proposed Plan
- Command Scheduling Visualization
- Emergency Linkage



## Resource Integration

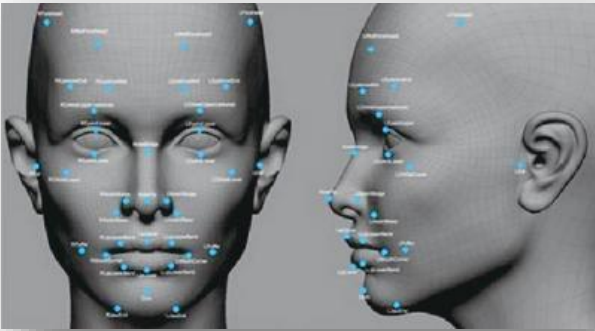
- Network Integration
- Information Integration (data, modeling, planning, decision making) Data Sharing





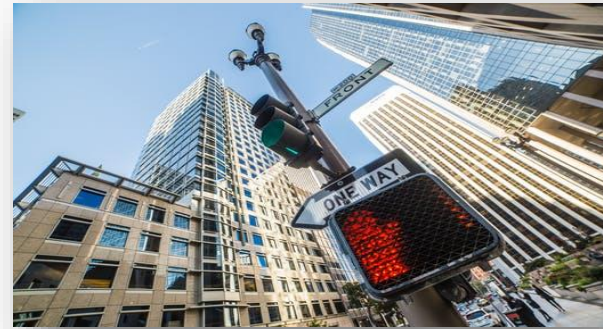
# Safe City - Solution Highlights

## Round-the-clock monitoring



- 7\*24h all-weather Monitoring
- Real-time face recognition after deep learning

## Real-time Traffic Management



- Vehicle plate and feature recognition
- Vehicle traffic violation
- Road Heatmap

## Advanced Security Management



- Advance-warning & Quick Response
- Efficient screening & Effective crime fighting

## Emergency Command



- Joint emergency dispatching between emergency scene & monitoring center.



# Group 20 (G20) Hangzhou Summit



## G20, Hangzhou, China

**2016 G20, integrated a number of systems, provide unified and efficient management platform.**

### Solution Highlights:

1. VMS platform connected with 300,000 devices from more than 10 types' cameras.
2. Innovative 3D map and VR map protected the heads of countries' fleet.
3. 660,000 times security checking

Thanks!

