Huawei Actively Contributes to Global Smart City Construction and Sets Footprint in 120+ Cities in 40+ Countries.
Smart Video Cloud: Sharing, Intelligence, Openness

- Converged command
- Social security protection
- Video-based investigation
- Surveillance deployment
- Vehicle track

Video Cloud Center
- Video sharing
- Video analysis
- Video Big Data

Unified management

Video cloud edge
- Computing pool
- Storage pool

Video sharing
- Video analysis
- Video cloud edge
- Video sharing
- Video analysis

Intelligent IPC
- Common camera
- Social video
- Checkpoint video
- Law enforcement record

Openness
On-demand optimal application selection

Distributed Intelligence
Video analysis anytime anywhere

All-Cloud Sharing
Video viewing anytime anywhere

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Joint Innovation with CRS4 for A Safer & Smarter Sardinia in Italy

**Background**

- Sardinia is an Autonomous region in Italy
- CRS4: Research & Development Center of Sardinia; Innovative Technology provider.
- To build a Joint Innovation Center for prove the concept of safer & smarter city.

**Huawei Solution**

- Video surveillance (face recognitions/pre-early warning, etc);
- eLTE coverage of selected areas of the region.
- Regional wide sensors system of environment & weather information, etc;
- Cloud DC for gathering, storing, intelligent analysis of data mining;

**Customer Benefits**

- A full verification of technical feasibility and benefits of the smart city concept.
- eLTE Rapid helped to rescue the trapped people in the Avalanche and in the flood.
Sample Product for Smart City: PowerCube 500 for Intelligent Pole

- **Pure Grid Hybrid (Grid + Solar)**
  - Solar PV Panel
  - Lithium Battery
  - Power & Network Modules

- **PowerCube 500**
  - Lithium Battery (Hybrid)
  - Power & Network Module

- **Power & Network Module**
  - AP8082DN
    - Built-in directional antennas
    - 200 m long-distance coverage

- **Output Power**
  - 12 Vdc*1, 24 Vac*1

- **8 Service interfaces**
- **Splicing tray**
- **Network board EG8P**
- **DI/DO alarm interface**
Smart Street based on smart All-in-One Site

**Sensors**
- Monitoring cities’ environment
- Noise sensor
- Air pollution detector
- Temperature/Humidity sensor
- Brightness sensor

**Video Surveillance**
- Security monitoring
- Vehicle monitoring

**RFID**
- Special populations Monitoring
- Manhole Monitoring
- Community security monitoring
- Municipal facilities monitoring

**Emergency Button**
- Field contact with the monitoring center
- Active broadcast from the monitoring center to field

**Intelligent Lighting**
- Cellular cooling technology
- Light distributing based on brightness
- Intelligent single lam/centralized
- A variety of optional module design

**Wireless network**
- WiFi hotspot

**Information Display**
- Advertising
- Political news
- Information release

**Charging Pile**
- Electric car
- Electric bicycle

**Future Evolution**
- Smart Watering
- Smart Grid
- Smart Street
MOI Italy: Intelligent Video Surveillance to Improve Public Safety for 4 Southern Regions

Challenges

- Poor public safety situation in Southern Italy.
- Existing video surveillance facilities are outdated.
- To build new generation Intelligent Video Surveillance in Puglia, Compania, Calabria, Sicily.

Solution

A Video Surveillance bundle solution for flexible combination, easy to manage and deploy, consists of:

- HD Video Cameras (Dome & Box) for high quality and stable video.
- Industrial Routers for video stream backhaul.
- Servers, Storage, Switches, UPS for building the Cloud Data Center, which is used for Intelligent Video Analysis.

Customer Benefits

- 360°, all-day monitoring.
- Real time detection and pre early warning.
- Improve crime investigation efficiency.
- Road Safety to Regulate driving behaviors and Reduce Accidents.