Surveillance Solutions for Airport

Airport

Solution Background

Since airport is one of the industries which firstly use security system, airport operators pay close attention to the development and applications of security technology. However, to apply video surveillance system in airport is challenging because there is a huge number of passengers, entrances and exits, lounges, corridors, check-in counters and complex senarios.

Starlink has been dedicating to the surveillance industry for years, accumulated rich experience and knowledge in a lot of big airports. Now, Starlink delivers a new airport surveillance solution which is highly efficient, highly reliable and highly expandable. It provides airport operators with basic database for further applications, such as situation perception, service optimization and intelligent analysis, realizes a better airport operation.
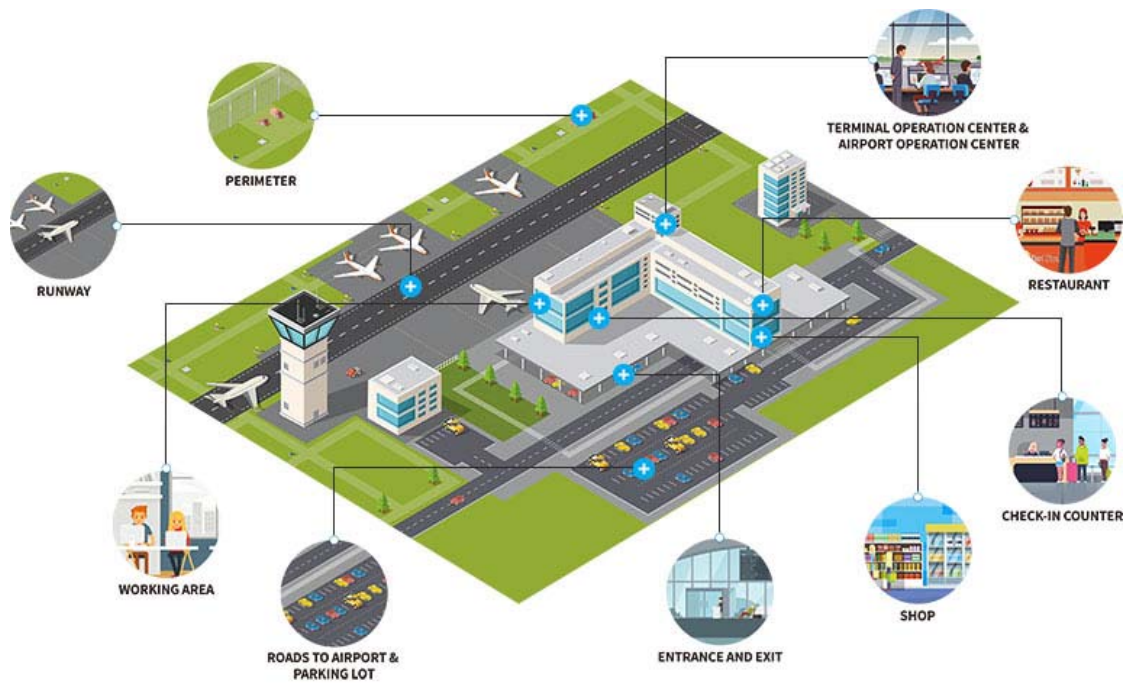
Challenges and Solutions

Challenges

- Perimeter invasion, theft, sabotage
- Need to quickly locate & inspect emergency
- High cost of data center and network
- Poor system expansion capacity
- Require user rights assignment in different departments

Solutions

- 7*24 no-blind HD video surveillance
- Integrate with third party security system
- Unique system network, reliable and efficient solution
- Advanced NGN architecture, easy to expand
- Unified management platform with abundant standard interface
- Reliable and cost-effective design for IP storage device

Airport Layout

- PERIMETER
- TERMINAL OPERATION CENTER & AIRPORT OPERATION CENTER
- RUNWAY
- RESTAURANT
- WORKING AREA
- ROADS TO AIRPORT & PARKING LOT
- ENTRANCE AND EXIT
- SHOP
- CHECK-IN COUNTER

Airport Scenarios

Terminal

Airside

Operation Center

Topology

TOC & AOC

PC Client   PC Client   LED TV Wall

LCD TV Wall

LED

Controller

DC

DC

Data Center

1+1 VMS Server   IP Storage   IP Storage

Heartbeat

... ...

Perimeter

X38/X44
Outdoor PTZ Dome

Bullet Camera

LAN

Runway

X38/X44
Outdoor PTZ Dome

PTZ Camera

Parking Lot

Outdoor
PTZ Dome

Camera

Bullet Camera

Terminal

Box Camera

Dome

Bullet Camera

Indoor PTZ Dome

Working Area

PTZ Dome

Dome

PIR Camera
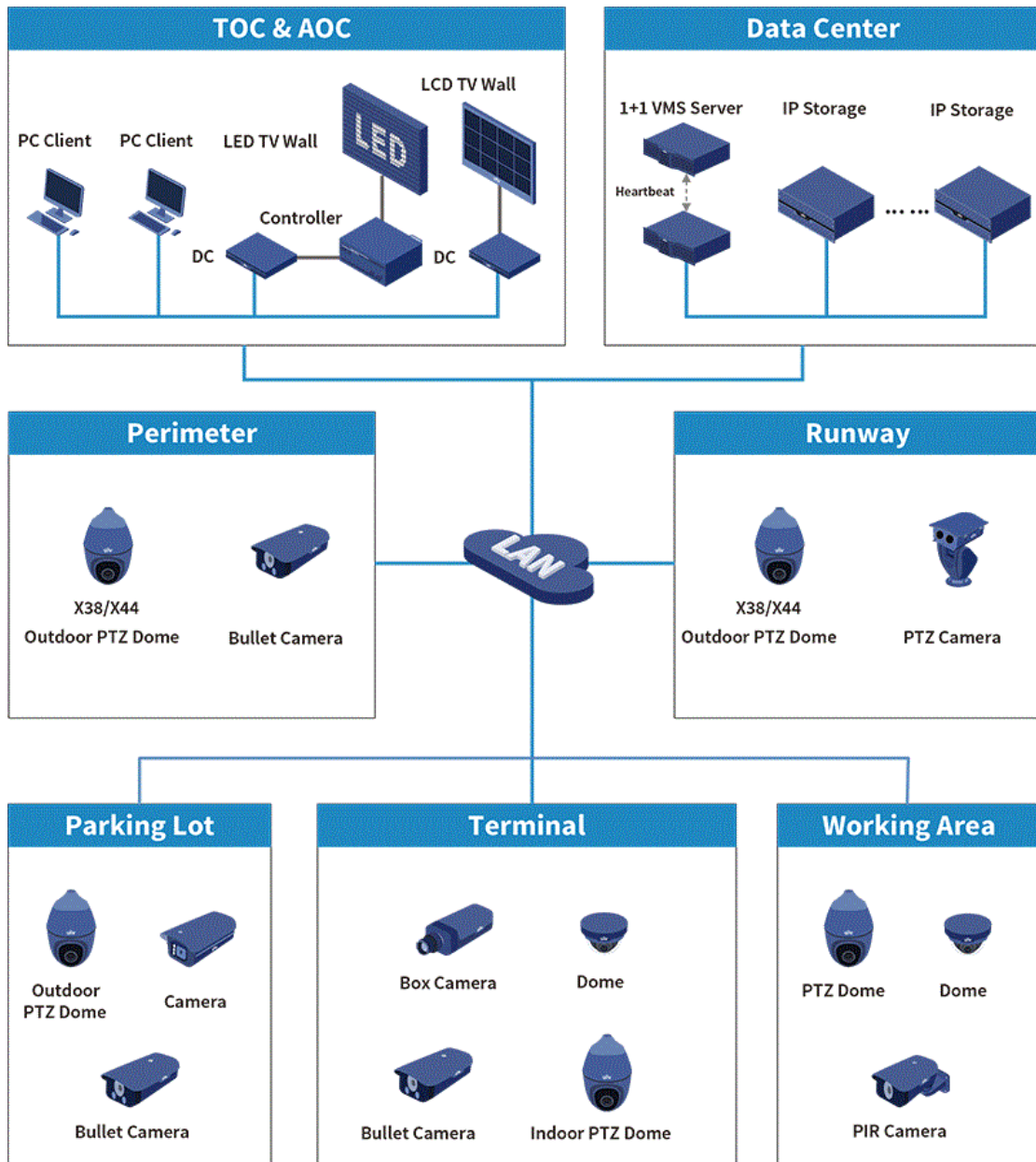
Successful Cases

Kiev International Airport, Ukraine