

# Huawei Intelligent Video Surveillance CloudIVS Business Overview

Huawei Video Surveillance Solution Sales Department

LEADING NEW ICT

# Content

1 Video Surveillance Challenges and Trends

2 Huawei IVS Overview and CloudIVS Solution

3 Success Cases Around the World



# **Challenge 1: Video Big Data**







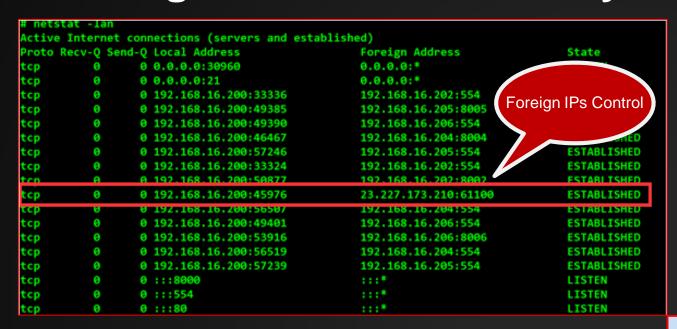


How can the police find Valuable Data from

massive amounts of video and make good use of it?

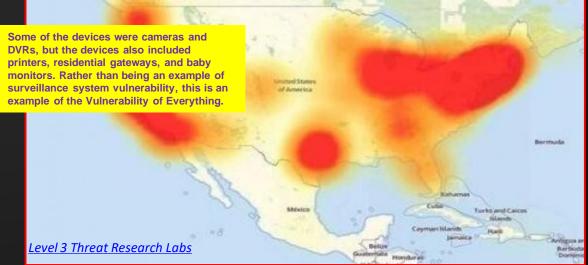


# Challenge 2: Network Security of Video Surveillance



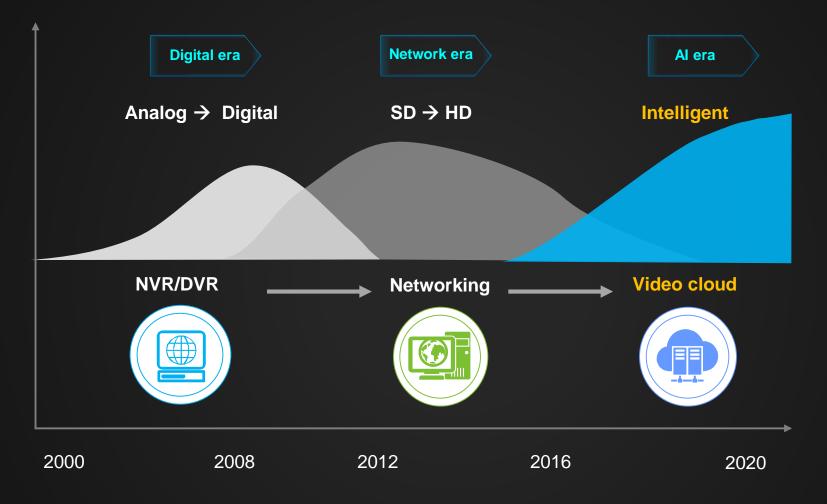
Case 1: In 2015, police in one China province issued a notice to a surveillance system vendor demanding that system vulnerabilities be fixed.

Case 2: In October 2016, hackers used millions of networked cameras and video recorder devices to launch a DDoS attack on an Internet DNS server, bringing down nearly half of the Internet in the United States.





## Major Trends in Video Surveillance



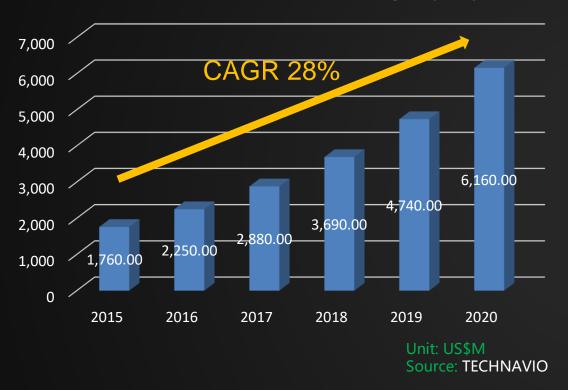
Video cloud technologies reduce Total Cost of Ownership (TCO) and protect existing CCTV investment.

Video cloud supports multiple AI technologies to help find valuable data to prevent and solve crimes efficiently.

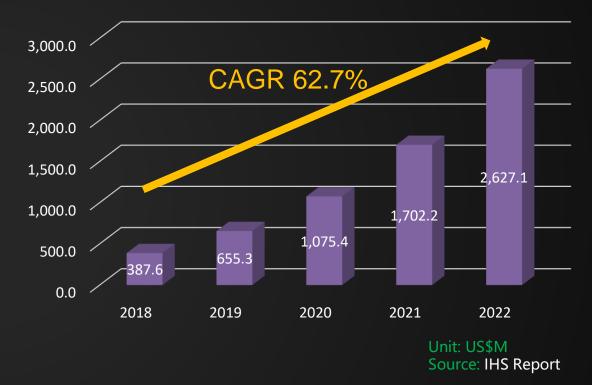


# Future of Video Surveillance Platform: Cloud-based + Deep Learning Artificial Intelligence

### Video Cloud Service is Growing Rapidly



### Deep-learning-enabled recorders and servers



Video cloud service and deep learning analytics market will reach US\$7 Billion in 2020.

The network security situation is getting more and more severe.



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## Why Huawei Intelligent Video Surveillance?

### **Technical strength**

Innovative chipset: Huaweideveloped core technology











Most Secure: World's first camera vendor to pass international EAL3+ security certification





### **International organizations**

- Member of 123 standards organizations, holding 148 key positions; has submitted 23,000+ standards proposals.
- One of the eight OpenStack Platinum Members in cloud computing domain. Contributed 2.7 million lines of code.
- Standards: ITU, MPEG, 3GPP, CWPAN, AVS, and ONVIF
- Chair of the HEVC video coding standard: Submitted 100+ accepted proposals. An H.265 main contributor.
- Originator of the IETF network video storage standard.
- Innovative video technologies: four major innovations and 350+ video patents.











#### **Innovation**







Huawei Technologies Co., Ltd Gao Xing, Ma Yunfei



### Huawei Builds Technology Leadership Based on Global R&D Centers

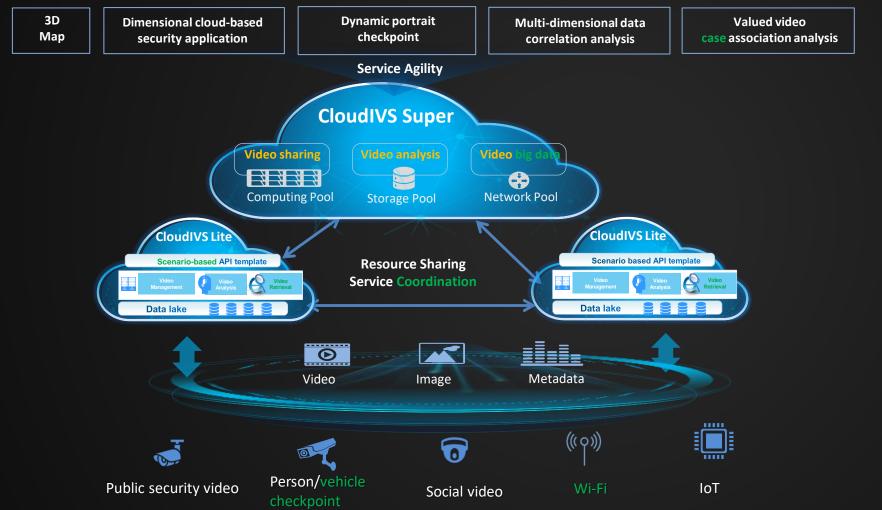


# Huawei Intelligent Video Surveillance Solution Overview





# Huawei CloudIVS Video Cloud Platform Offers a Comprehensive Set of Capabilities Based on Four Key Technologies





#### **All Cloud**

- Cloud-based coordination for high efficiency and reliability
- Hyper-converged cloud node



#### **Matrix Intelligence**

- Multiple algorithms for many scenarios
- Allows engine uploads to meet specific requirements



#### **Versatile Networking**

- Multi-dimensional data
   connections
- Shows real-time status of terminals



#### **Open Ecosystem**

 Agile enterprise integration gets ISVs online quickly



### Huawei CloudIVS Lite: Quick-Start Coverage at Edge, Do More with LESS



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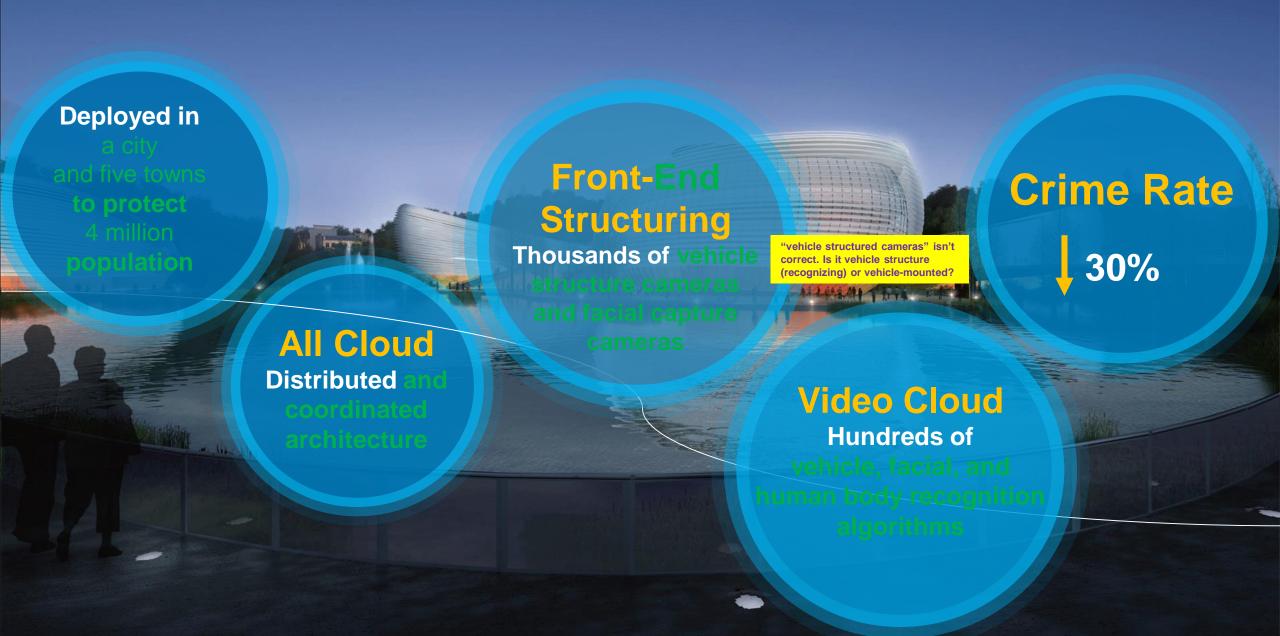
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### **Success** Case 1: Huawei CloudIVS Assists City with Face-Recognition Big Data Applications



Case 2: Huawei CloudIVS Realizes Terminal, Edge, and Cloud Coordination for City



## Success Case 3: Country's CloudIVS Connects Public Video Cameras





### Global Footprint of Huawei's Intelligent Video Surveillance Solutions



Huawei Intelligent Video Surveillance solutions have served 1 billion+ people in 100+ countries and regions



# THANK YOU

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