

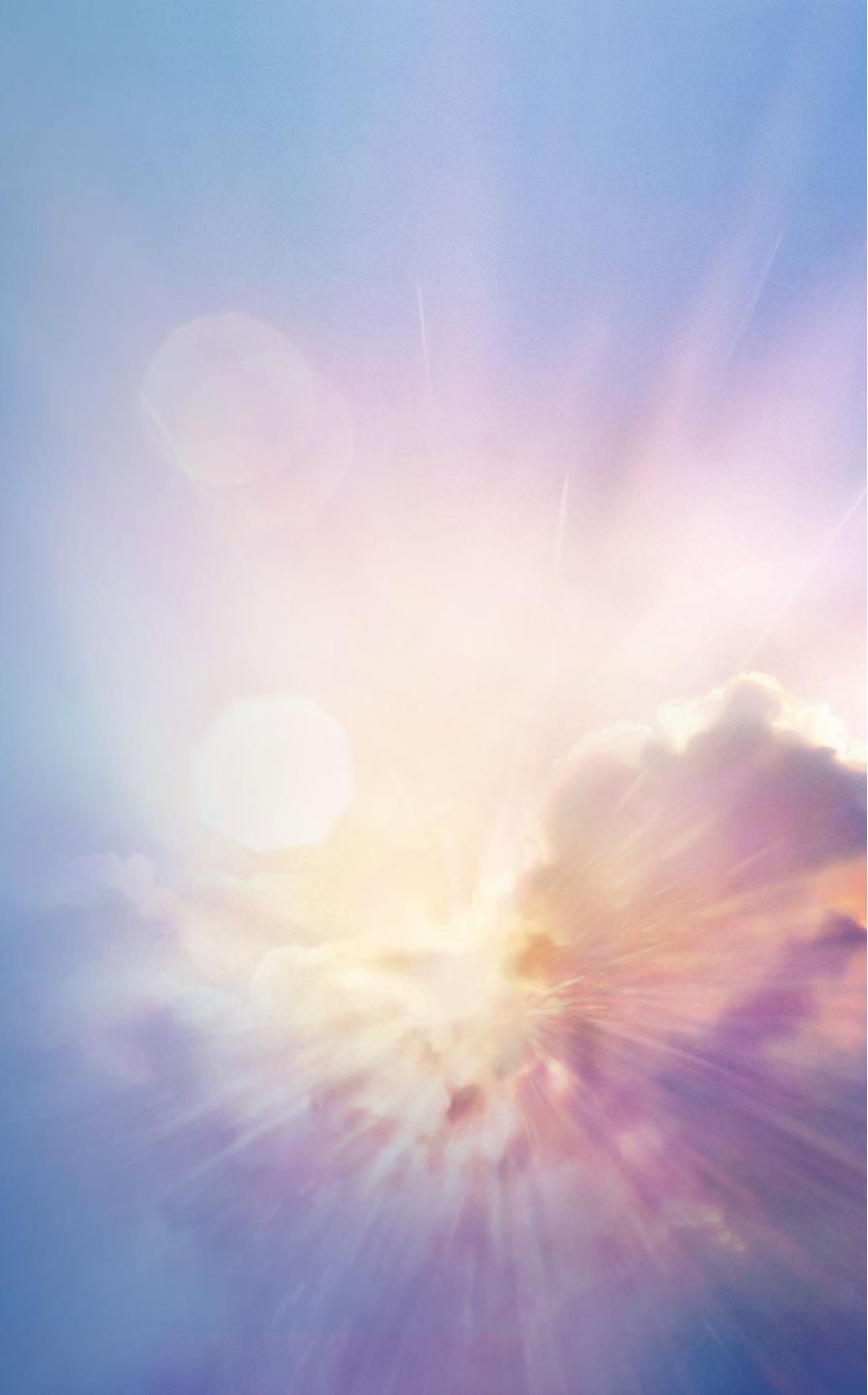


# LEADING NEW ICT

## Making Cities Safer

Luis Adolfo Guillot Duenas  
CTO, Enterprise BG of Latin American Region Office  
Huawei Technologies Co., Ltd.

**LEADING NEW ICT**





Have you noticed the difference?

1997

Deep Blue

VS

World champion Kasparov



2016

AlphaGo

VS

World champion Lee Sedol





Chess

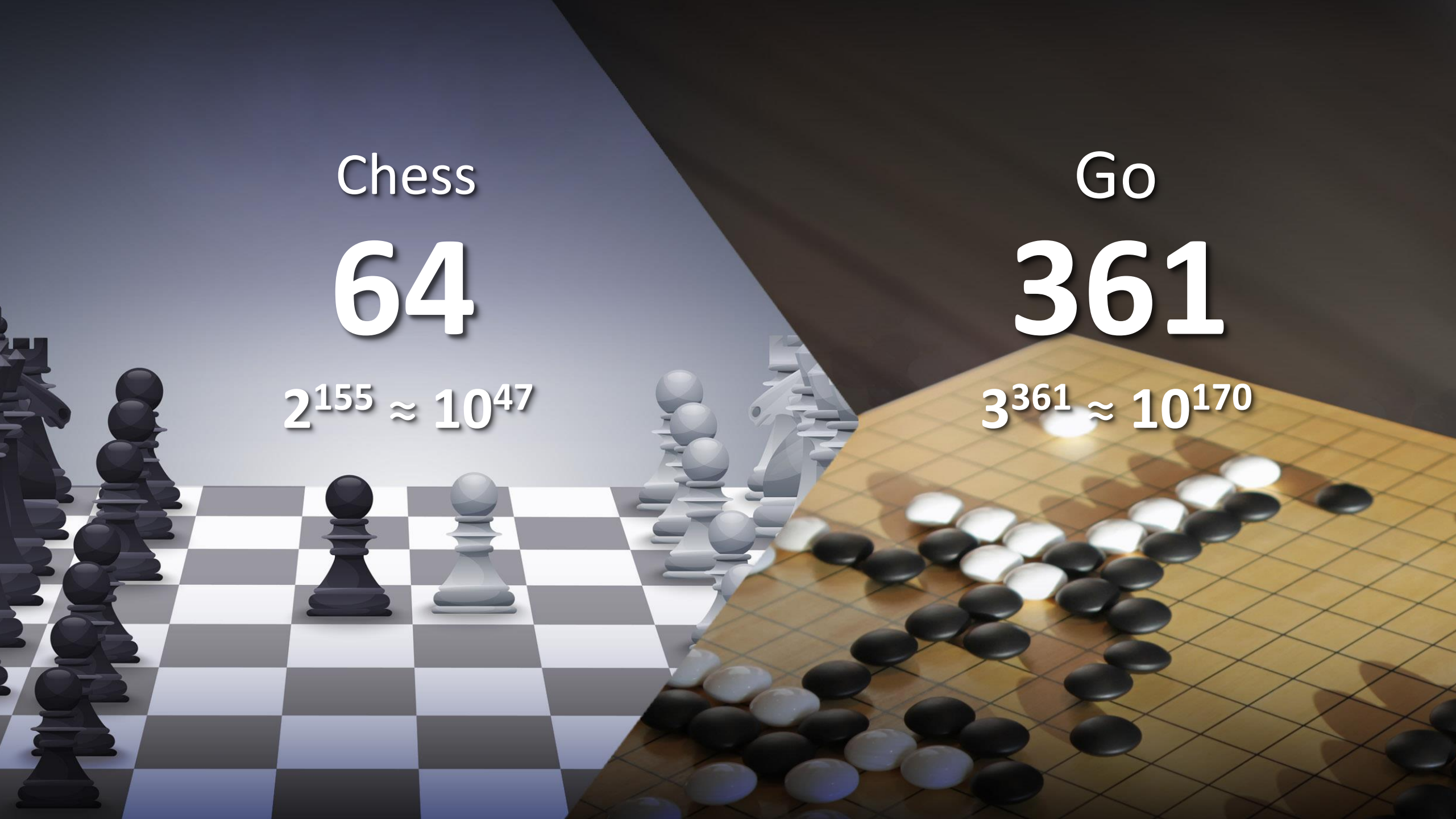
64

$2^{155} \approx 10^{47}$

Go

361

$3^{361} \approx 10^{170}$





```
function() {  
  y();  
  'id') {  
    ren_id = ipid;  
    = array(  
    => array('ipid' => intval($_GET['pid'] )
```

Was algorithm the only key difference?

**Brute force  
search**



**Deep neural  
network**





A large, black, modular mainframe computer system is shown in a server room. The system consists of several tall, vertical cabinets with a distinctive geometric, faceted design. The leftmost cabinet has the 'IBM' logo at the top and 'z BladeCenter Extension' written vertically. The second cabinet from the left has 'z Enterprise' written vertically. The room is dimly lit with a greenish-yellow glow from the server racks. The floor is a light-colored tile.

**Mainframe**

A wide-angle view of a modern cloud computing data center. The room is filled with rows of server racks, each illuminated with a warm yellow light. The ceiling is a complex, industrial structure with a grid of metal beams and numerous pipes. The floor is a light-colored tile. The overall atmosphere is one of a large, well-maintained facility.

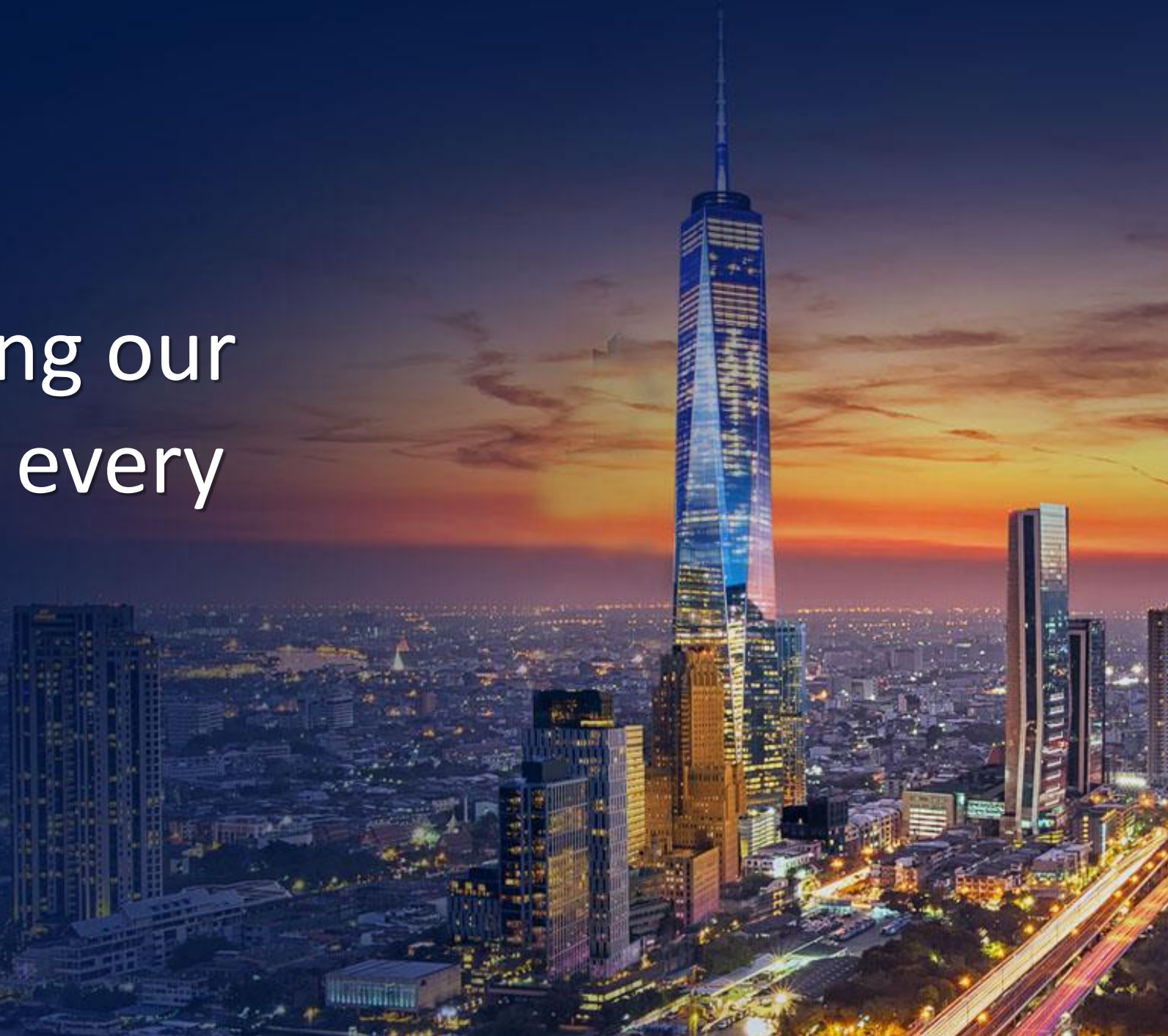
**Cloud Computing**



# Technology Progress

beyond human boundary

Greatly changing our  
lives as well as every  
industry





# Public safety

is a system required  
different agencies collaboration





# Duplicate investments and silo systems





When the Pope first visited Africa

**300,000+**

People in 0.12 km<sup>2</sup>

>>

**10,000+**

Police Officers



# 10 agencies divided by 30 sectors...

...Using different devices and networks





# Visualized command center was established

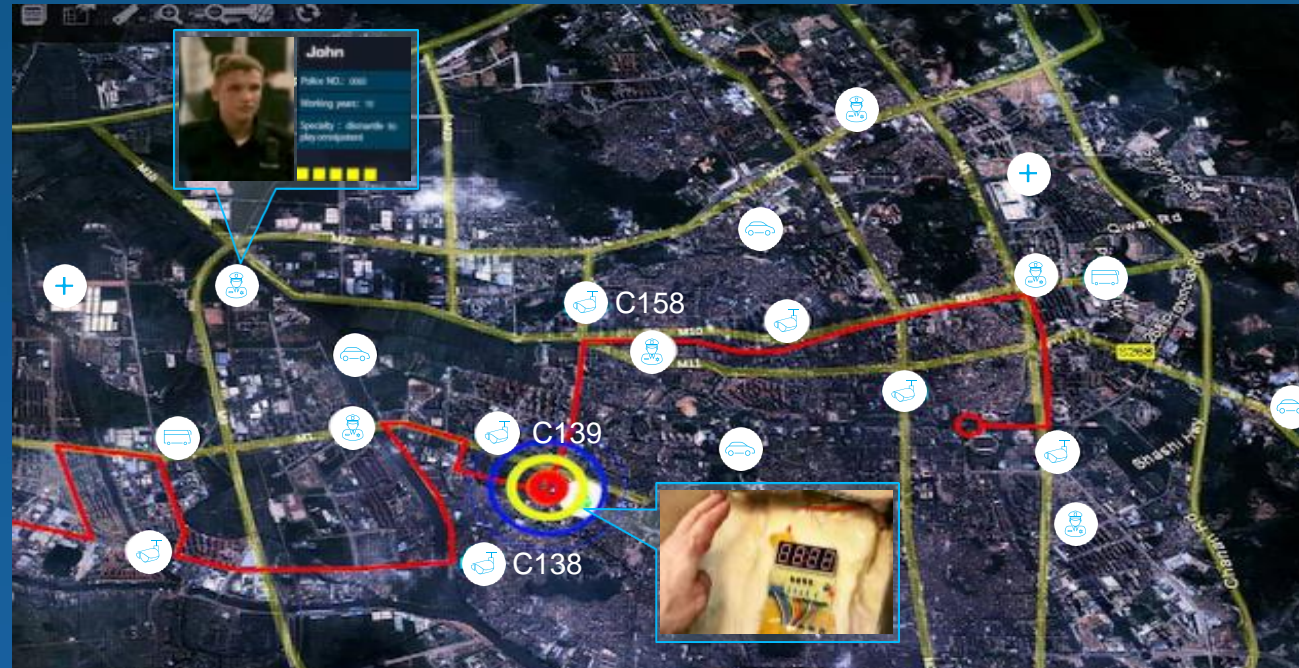
**Event Monitor**

A	Status	P	Time	U	Type	Location
1	...	...	...	...	...	...
2	...	...	...	...	...	...
3	...	...	...	...	...	...
4	...	...	...	...	...	...
5	...	...	...	...	...	...
6	...	...	...	...	...	...
7	...	...	...	...	...	...
8	...	...	...	...	...	...

**Unit Monitor**

A	Status	Time	U	Type	Level	Type	Level
D1	...	...	...	...	...	...	...
D2	...	...	...	...	...	...	...
D3	...	...	...	...	...	...	...
D4	...	...	...	...	...	...	...
D5	...	...	...	...	...	...	...
D6	...	...	...	...	...	...	...
D7	...	...	...	...	...	...	...
D8	...	...	...	...	...	...	...

Alarm and unit list



Camera C138



Camera C139



Camera C158



Police



Transport



Emergency



First Aid



Fire



# Convergent system—Multi-devices, Multi-agencies





During this historic event

0

Injury / Complaint



# **SAFE CITY V2.0**





Mobile Broadband  
Trunking



Cloud  
Infrastructure



Big Data



# Comando Convergente



## Plataforma de Comunicación Integral(ICP)



Voz



Video



Data

### IPCC



Consultar con expertos



Toma de llamadas

### eLTE



Mobile orden público

### IVS



vigilancia de la ciudad

### TP



Mando y toma de decisiones



# What Do Converged Command Bring for Us









# Video Cloud





# Video Cloud Makes Lower TCO and High Efficiency for Video Sharing

**30%**  
lower TCO

Dedicated & Simple

**1h**

Obtaining  
leads

Efficient & Smart

**40+**  
partner

Converged & Open





# Análisis Inteligente

## Facial Recognition



## Video Synopsis



## Intelligent Search



## Virtual Checkpoint



## Plataforma Big Data Video Cloud



Video Camera



HD Checkpoint



Vídeo Histórico



Video de otra fuente

# VCM Enhances Police Working Efficiency Greatly



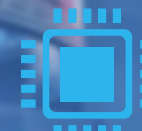
Searching Latency

**3** seconds (HW) VS **10**  
seconds (Industry)



Synopsis Capability

**2** mins (HW) VS **24** mins  
(Industry)



Analysis Capability

**816** chs (HW) VS **160** chs  
(Industry)





Huawei safe city solutions have served  
**400M people in 100+ cities, 30+ countries.**

A background image of a sunset or sunrise over a blue sky. The sun is partially obscured by clouds on the right side, creating a bright, glowing effect with rays of light. The overall color palette is dominated by blues and purples, with the warm tones of the sun on the right.

# THANK YOU

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