快速漫游 高速通信

－业界最高效无线AP让网络随心所欲

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Open eAutomation, Boundless Integration

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eAutomation

无线新技术开启新应用 (长距离)

远程油井视频监控

WiFi (WLAN)
- 距离更远
- 带宽更大

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无线新技术开启新应用 (监控)

WiFi (WLAN)
- 距离更远
- 带宽更大

小区无线视频监控

EKI-6321AG

Workstation

Guard Station

IP Dome

MegaPixel IP Camera

EKI-6321AG

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无线新技术开启新应用 (高速移动)

WiFi (WLAN)
- 高速漫游

EKI-6323AG

Fiber

移动视频监控

Fiber

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无线新技术开启新应用 (小区监控)

移动监控

热点
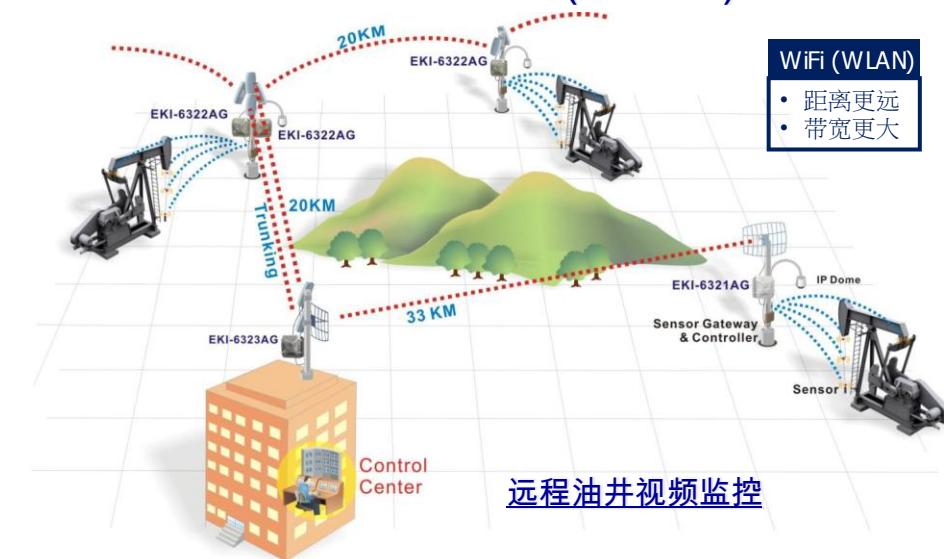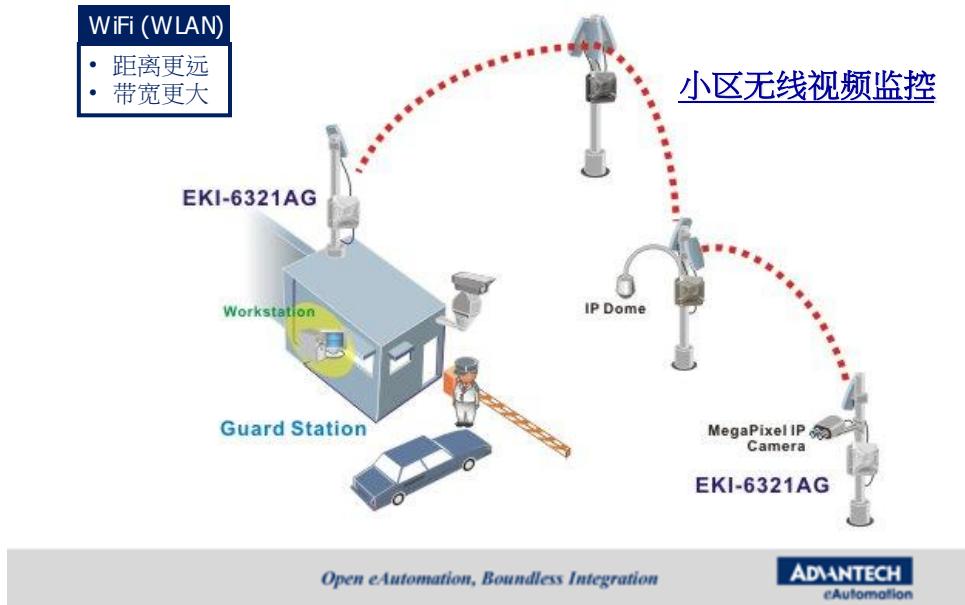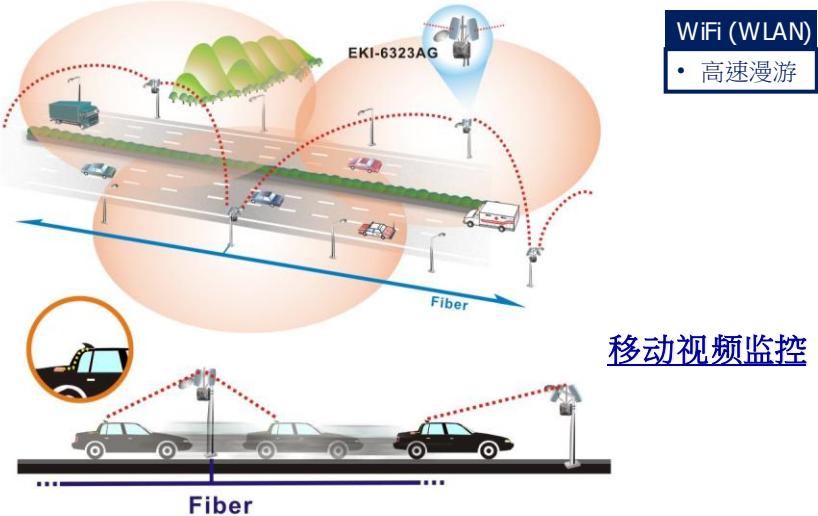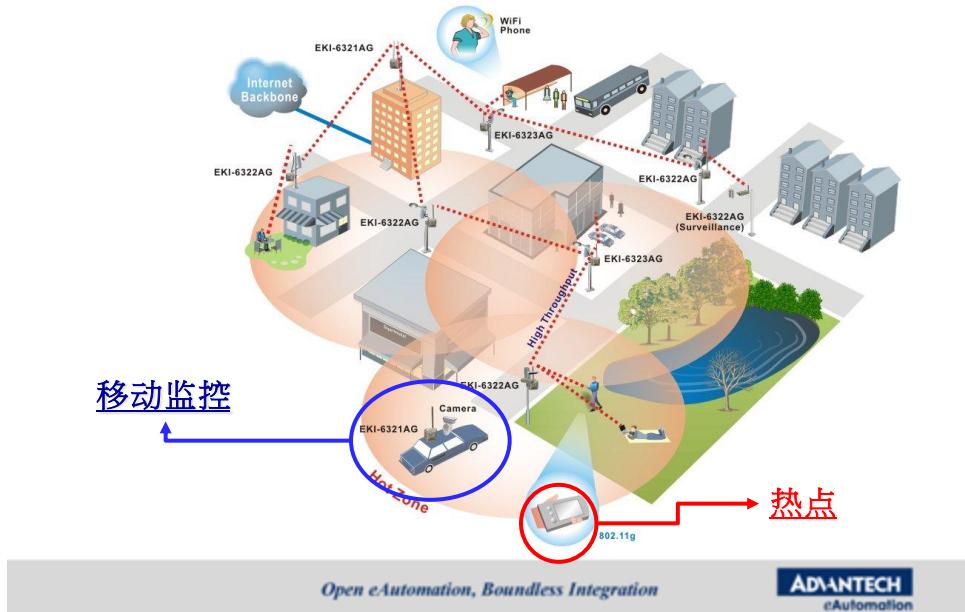
研华全新无线产品介绍 (工业级室外无线AP)

One Radio	Dual Radios	Triple Radios
EKI-6321AG	EKI-6322AG	EKI-6323AG

强　固　室　外　设　计
- IP-67 rating housing
- Operation temp: -35℃ - 70℃

研华全新无线产品介绍 (工业级室外无线AP)

Reversed Female N-type Connector

- 每一支天线都可以单独设定为 802.11g(2.4GHz)或802.11a(5GHz)

强 固 室 外 设 计
- IP-67 rating housing
- Operation temp: -35 ℃ - 70 ℃

研华全新无线产品介绍(工业级室外无线AP)

强 固 室 外 设 计
- IP-67 rating housing
- Operation temp: -35 ℃ - 70 ℃

Waterproof M12 PoE port

Waterproof console port

研华全新无线产品介绍(工业级室外无线AP)

Mounting Kit
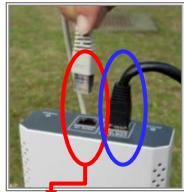
PoE Injector

Data In

PoE

实际安装现场

EKI-6320AG系列

Features:

- IP-67 rating housing
- Operation temp: -35 ºC - 70 ºC
- Support PoE
- TCP/UDP Port and DSCP Level QoS
- Comprehensive Security Features :
  WPA-PSK / WPA-EAP with TKIP/ CCMP WPA Encryption Type support
- 802.1x EAP-TLS / MD5 WEP Key support (Client and Server modes)
- Radius client
- MAC address filtering
- NAT
- Hide ESSID
- Multi-ESSID VLAN
- Firmware upgrade through TFTP, FTP
- SSH Telnet, Syslog, SNMP v1/v2
- CLI via console &Telnet, WebGUI

EKI-6320AG系列

重要特色:

- 长距离无线传输
  "Daisy Chain Mesh" technology

- 多天线、智能无线传输
  4 intelligent bandwidth management modes

- 高速无线漫游
 Ultra fast roaming (< 10ms) over 140Km/h

Daisy Chain Mesh Technology

- 维持多跳后的高带宽
- 效能远超过市面上传统WDS模式
- 实测可达10~12Mbps @ 30Km
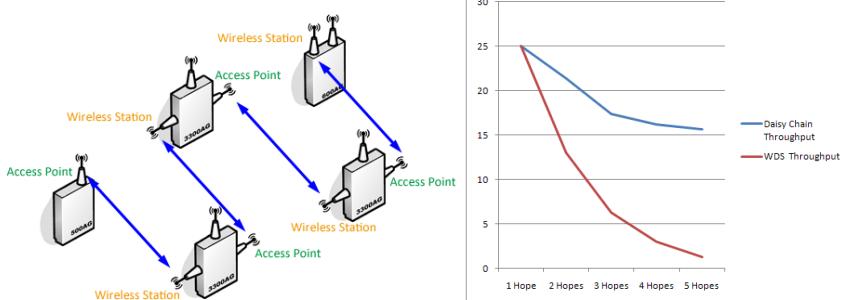
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Daisy Chain Mesh Technology

Dual Radio Application
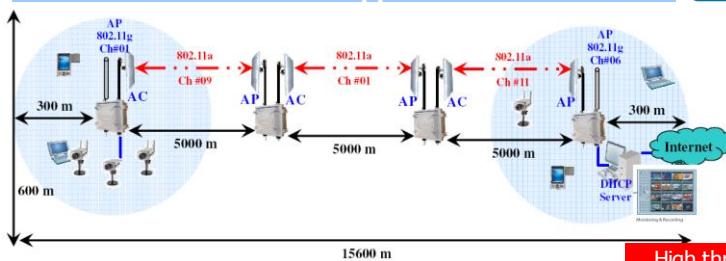
High throughput (12Mbps) maintained after 5 distant hops !

Triple Radio Application
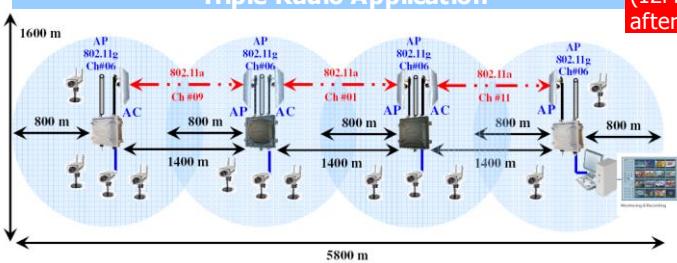
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多天线、智能无线传输

- 支持4种智能传输模式：

  无线带宽集成(端口汇聚) 、无线备援、容错、负载均衡

- Trunking
- Smart Traffic Load Balance
- One Way Transmit
- Failover

每一支天线都可以单独设定为
802.11g(2.4GHz)或802.11a(5GHz)

多天线＋双频＝高带宽＋安全
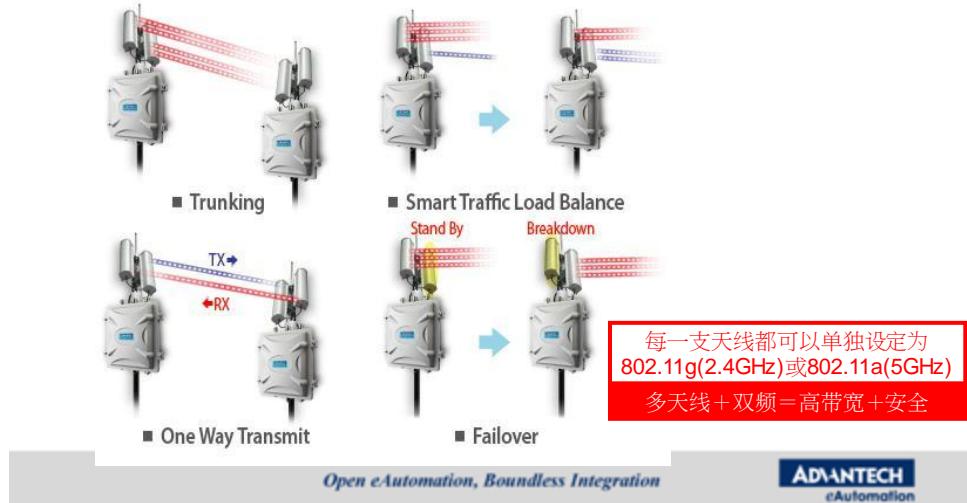
高速无线漫游

- <10ms Handover between AP nodes
- Tx/Rx Path maintained by Daisy-Chain System

UltraFast Roaming

AP3

Handover rate (<10ms) while under 140 Km/H moving speed

研华无线整体解决方案

EKI-6321AG
EKI-6322AG
EKI-6323AG

802.11a/b/g室外型无线AP

new
- IP-55
- 802.11n
- -20 ºC - 70 ºC

EKI-6311GN

802.11b/g/n室内型无线AP

EKI-1351/1352
1/2 port RS-232/422/485

802.11b/g无线串口服务器

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研华无线整体解决方案

EKI-6321AG

DVK-3510
Video Server

✓ 室外严苛环境
✓ 长距离
✓ 高带宽

- 危险源监控
- 河川,水库监控
- 工厂监控
- 无线传输数据

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研华无线整体解决方案

+ PLC

EKI-1351

✓ 无线、移动式管理
- 自动仓储
- 移动式监控

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成功应用案例

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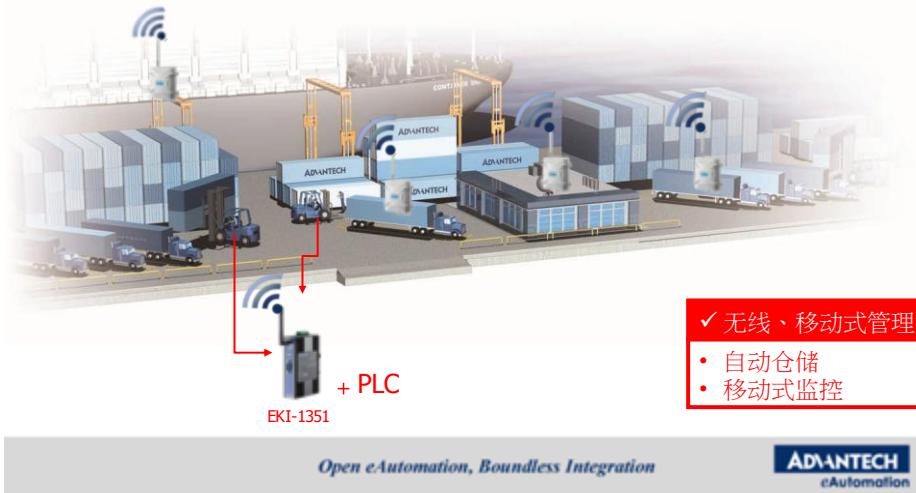
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成功应用案例(1)

- 长距离点对点无线传输
  33.29Km from 苗栗 to 台中港,台湾

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)
All Pairs	11.936	9.385	12.594
Pair 1	11.937	9.385	12.594
Totals:	11.936	9.385	12.594

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成功应用案例(2)

- 无线热点: US Spring Campus

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成功应用案例(3)

- 无线热点: Harbor & Mall, Florida, USA

EKI-6321AG
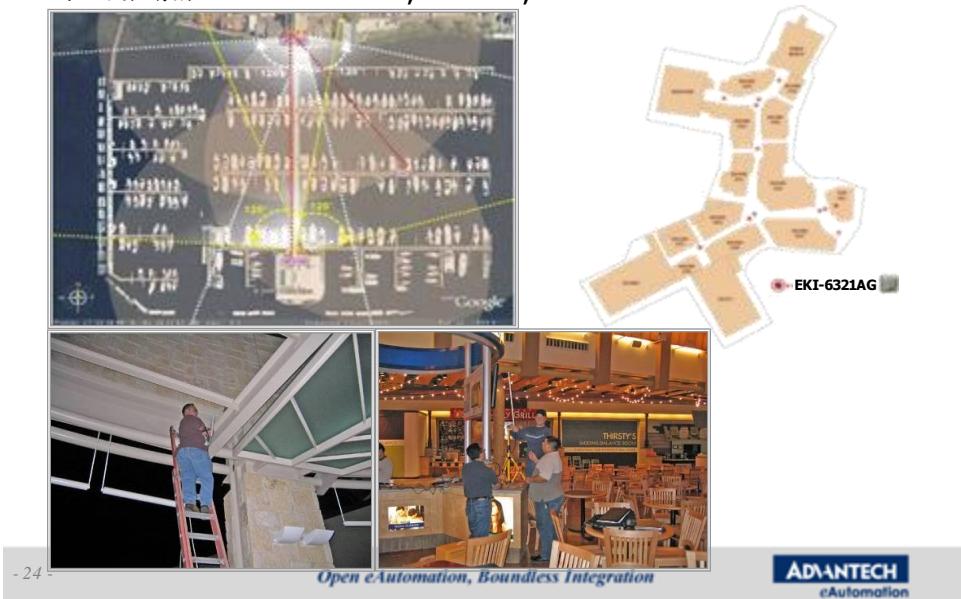
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成功应用案例(4)

- 无线热点:台北,台湾
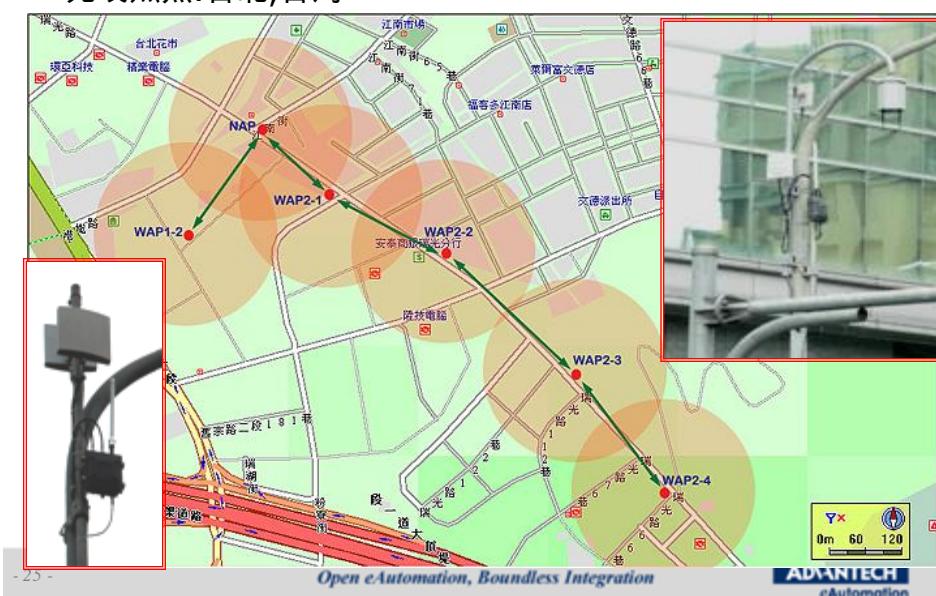
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成功应用案例(5)

- 室外安全监控:Traffic Monitoring, Australia

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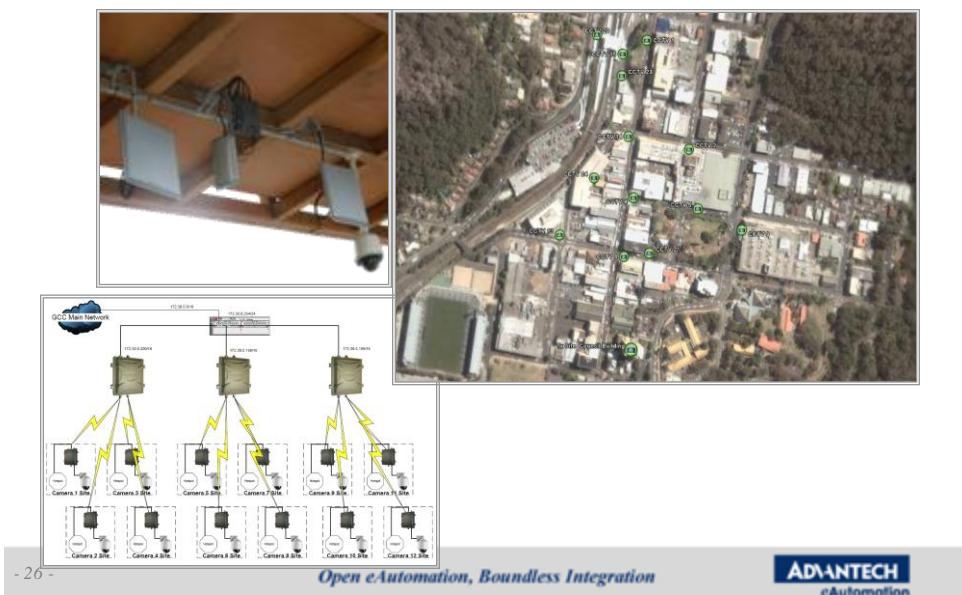
成功应用案例(6)

- EMS(Environmental Monitoring System):河川监控,台湾
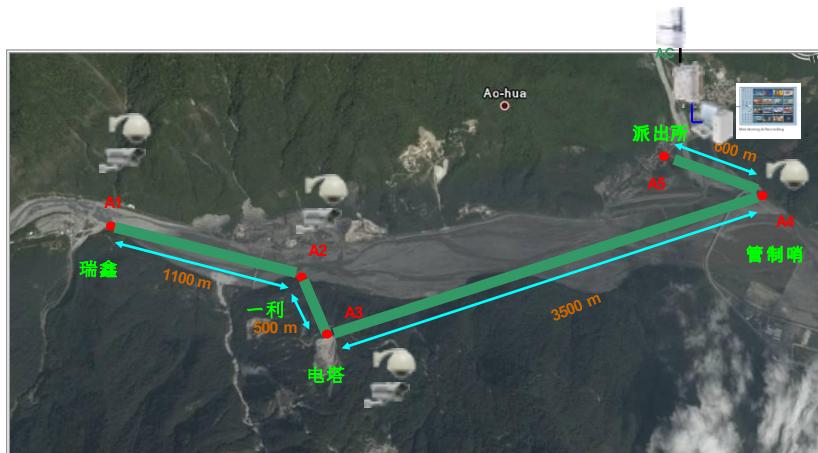
A1-A5 : 4 wireless hops in 5.7Km, total 8 cameras, 14~16Mbps bandwidth

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成功应用案例(7)

- ITS(Intelligent Transportation System):火车平交道监控,台湾
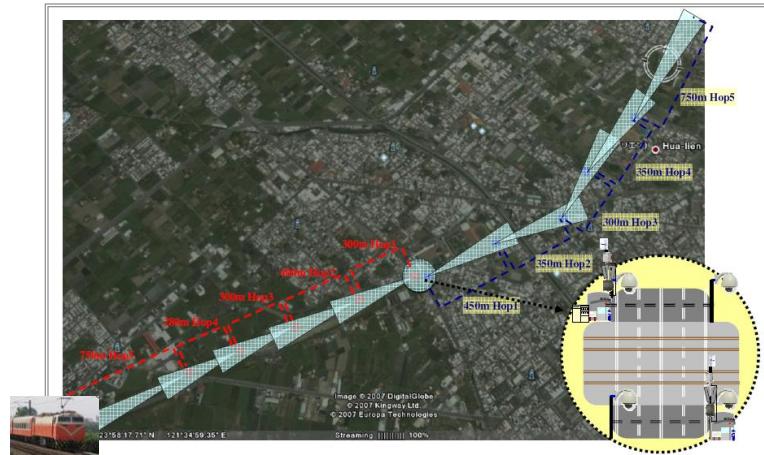
Train Driver can watch the railway crossing status in 2-3km distance with the high speed mobility & roaming capability of EKI-6320 products

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成功应用案例(8)

- 小区移动式监控:中国
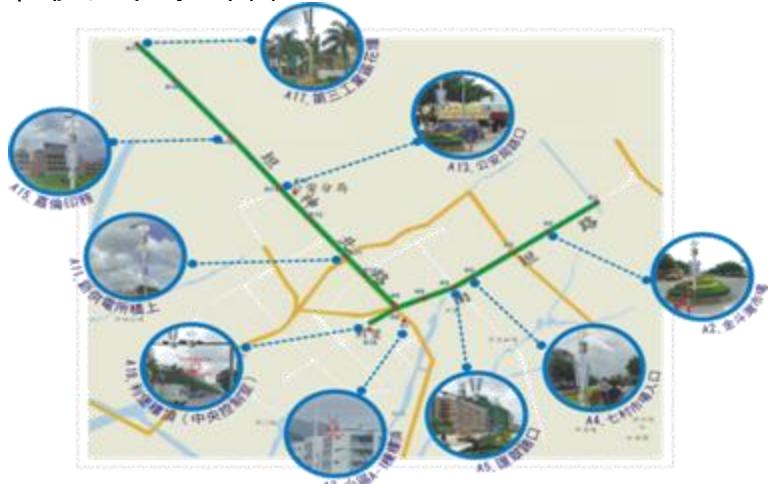
A1-A10 : every 5km an AP, camera on police car, performance 10-12M bps

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谢谢！

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