

**X-LIN**

Hotware Intl' Co., Ltd.

# Long Range Wireless LAN Platform

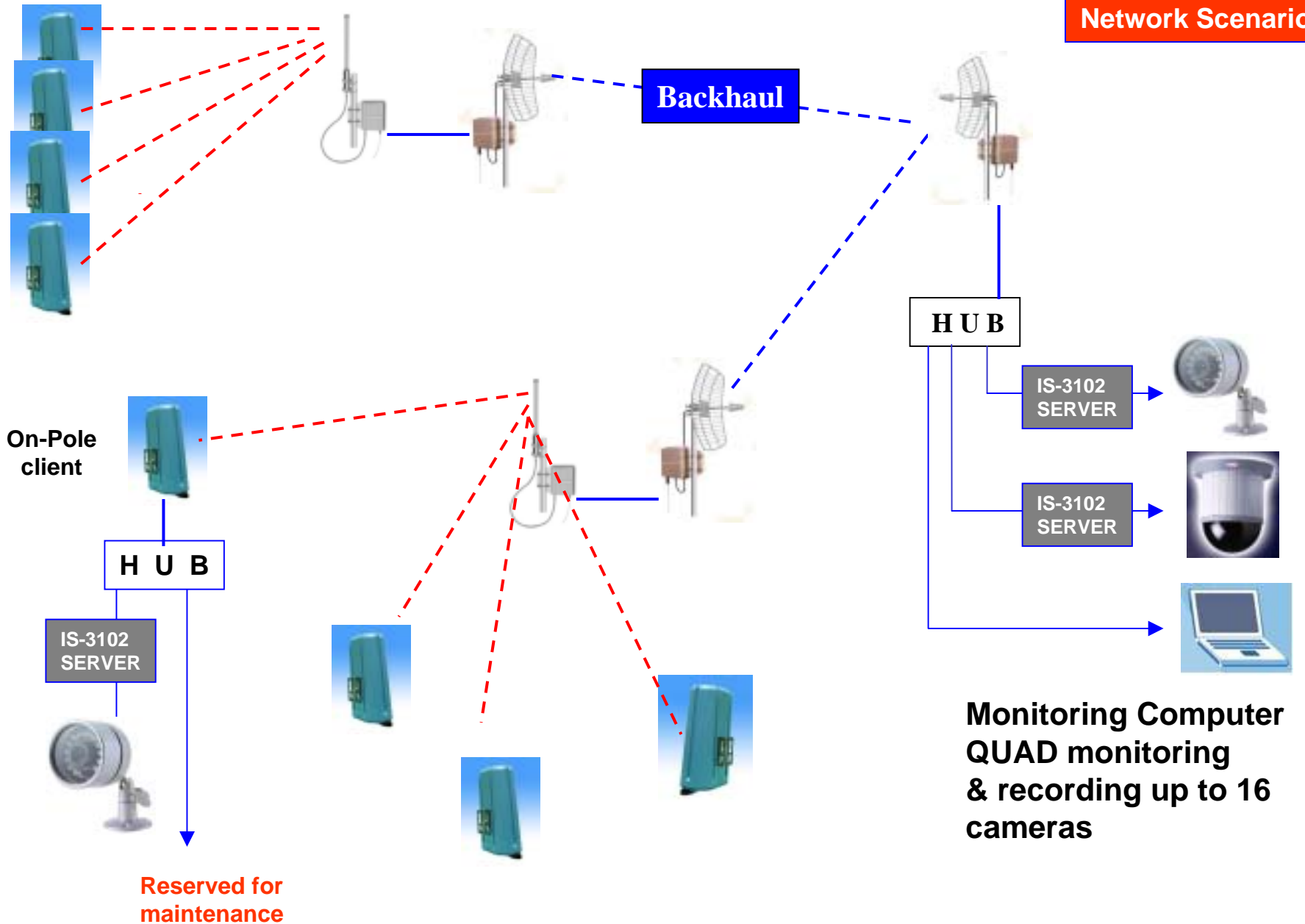
## Tank Yard Wireless Surveillance

Aug. 2006

# Network Description

1. Wireless surveillance basing on WLAN platform;
2. Monitoring street and oil tank yard
3. Street lamp pole mounting
4. Backhaul link 4 x AP's; each AP carries 4 x Client; each client carries one cam server and camera
5. DVR for monitoring and recording simultaneously at HQ.

**Network Scenario**



## Our site in France for street and oil tank yard surveillance

WL-24005G as AP at Base Station



Each AP carries 4 x ASU;

Each ASU carry 1 x HUB and 1 x camera with best motion quality (30 FPS), ports on HUB are for maintenance purpose and other application when necessary, for example, VOIP or additional camera

## Our site in France for street and oil tank yard surveillance

ASU-24005g at remote site



For cam server & switch hub. Additional ports on hub for maintenance purpose.

## Component 1: Long range backhaul



**xLink-5801a,  
802.11a, 5~5.8GHz,  
200mW/23dBm  
Backhaul**



True outdoor unit, POE design,  
-35c~70c, weather-proof

## Component 2: Node AP



**WL-24005G,  
802.11g, 100mW  
AP/Client/Bridge/  
Repeater**



True outdoor unit, POE design,  
-35c~70c, weather-proof

## Component 3: On-lamp CPE



**ASU-24005G,  
802.11g, 100mW  
AP/Client/Bridge/  
Repeater**

Plastic cost-effective  
outdoor unit, POE design,  
-15c~65c, weather-proof

## Component 4: cameras



**High quality PTZ CCD camera  
25x zoom (optical)  
day & night fast dome  
Star-light operational**



**Outdoor Infra-red Camera  
Projection: 16 meters or 25 meters**

## Component 5: IP Cam Server

### Web Cam Server



Rear Panel

### Fast Dome



### Wireless LANs

Through the WLAN, the fast dome can transmit the video image wirelessly and also remotely and wirelessly controlled from control center to do pan/tilt/zoom

# Quad on surveillance : max. 16 channels per pack Just one PC will do !

Quality: | Medium | Standard | Good | Detailed | Excellent |  
Size: | Half | Half x 2 | Standard |

1  
2  
3  
4  
Quad

21:21:45 Jan/24/2000

21:21:45 Jan/24/2000

21:21:45 Jan/24/2000

21:21:45 Jan/24/2000

## VisualServer



## Infra-red Performance

**With bright light**

## VisualServer



**Without light under totally dark, using infra-red of the camera**

**Distance: 10m, can go up to 25m**

**Infra-red effect, not flash**

# Software Controlling PAN/TILT/ZOOM, recording and Monitoring

Operator can access via internet with authorized ID and password

The image shows a software interface for video management. On the left, there is a vertical control panel with several sections, each highlighted with a red box and labeled with a blue text label and a red arrow pointing to the corresponding UI element:

- Camera selection**: Points to a row of three camera icons.
- DI/DO control**: Points to a row of four status indicators.
- Video quality control**: Points to a section with radio buttons for 'Normal', 'Standard', and 'High'.
- Recording setting**: Points to a dropdown menu for recording options.
- Hard disk space indicator**: Points to a progress bar showing disk usage.
- Camera configuration**: Points to a section with 'PTZ', 'Zoom', and 'User Message' options.
- PTZ control and alert message**: Points to a large directional pad with 'HOME' and 'ZOOM' buttons.

On the right, there is a **Video display area** containing four video feeds from different camera angles. Red arrows point from the label 'Video display area' to each of the four video windows.

**X-LIN**

**Innovation  
Thank you !**

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