



# Long Range Wireless LAN Platform

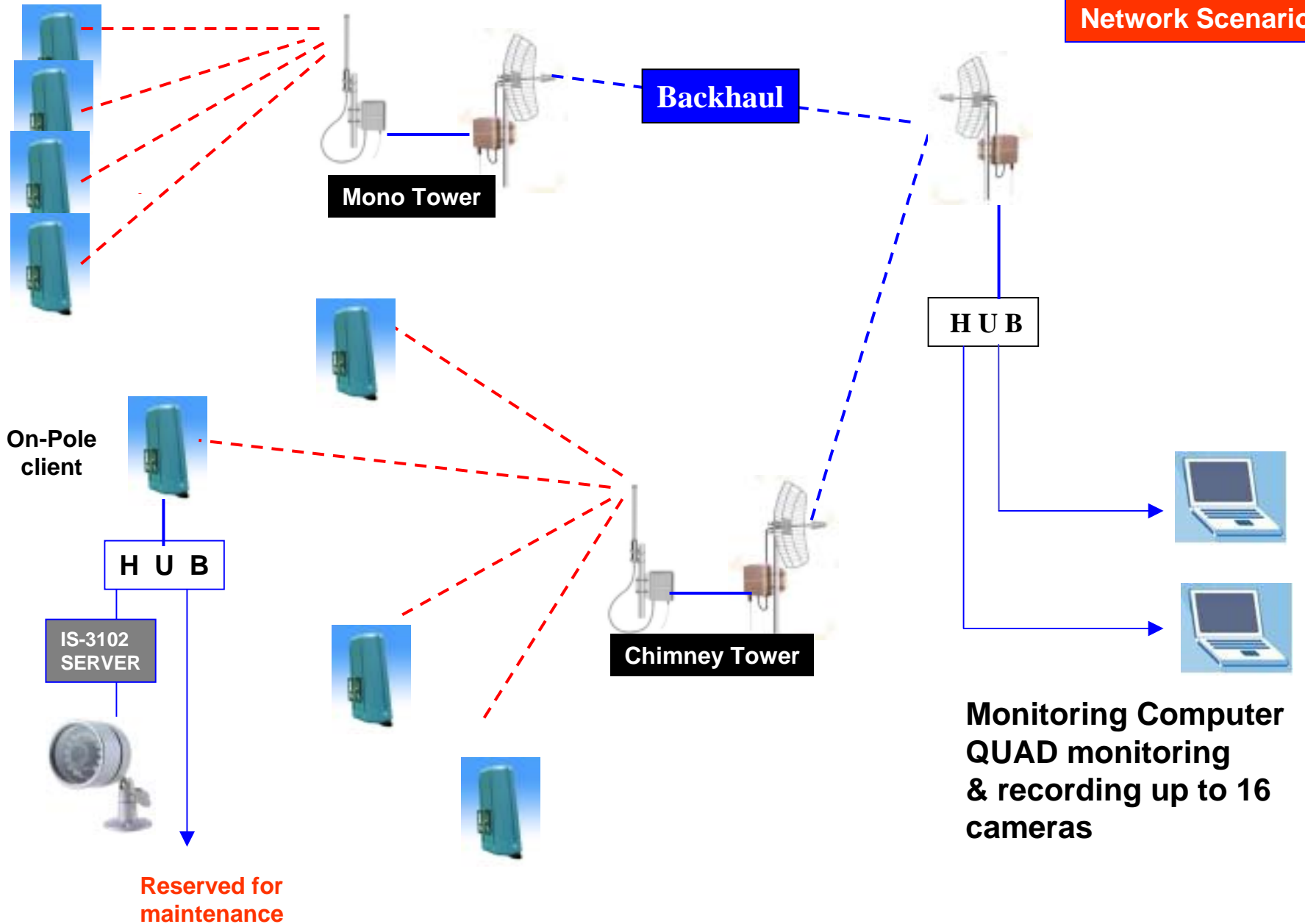
## Chemistry Yard Wireless Surveillance

Aug. 2006

# Network Description

1. Wireless surveillance basing on WLAN platform;
2. Monitoring Chemistry factory yard in Philippine
3. Backhaul, AP and Client form up the surveillance network with 42 cameras;
4. DVR for monitoring and recording simultaneously at control room.

**Network Scenario**





**WL-24005G as  
AP on 70-meter  
Chimney Tower**



**WL-24005G as AP on  
20-m mono Tower**



**Chemistry factory  
view and our agent**

## 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 !



## 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 icons labeled 'DI' and 'DO'.
- Video quality control**: Points to a section with 'Quality' and 'Bit' settings, including radio buttons for 'Normal', 'Standard', and 'High'.
- Recording setting**: Points to a 'Recording' section with a dropdown menu.
- Hard disk space indicator**: Points to a 'Usage' bar graph showing disk space consumption.
- Camera configuration**: Points to a 'Function menu' section with 'PTZ', 'Zoom', and 'Alert Message' options.
- PTZ control and alert message**: Points to a large directional pad with 'HOME' in the center and a 'ZOOM' button below it.

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

**X-LIN**

**Innovation  
Thank you !**

**Hotware International Co., Ltd.**

[www.hotware.com.tw](http://www.hotware.com.tw)

[business@hotware.com.tw](mailto:business@hotware.com.tw)

Tel : +886-3-4639125

Fax ; +886-3-4639367

**Integration Center**

[integrate@hotware.com.tw](mailto:integrate@hotware.com.tw)