

X-LIN

Hotware Intl' Co., Ltd.

Long Range Wireless LAN Platform

Harbor Wireless Surveillance

(2nd largest harbor in Indonesia -- Port Makassar)

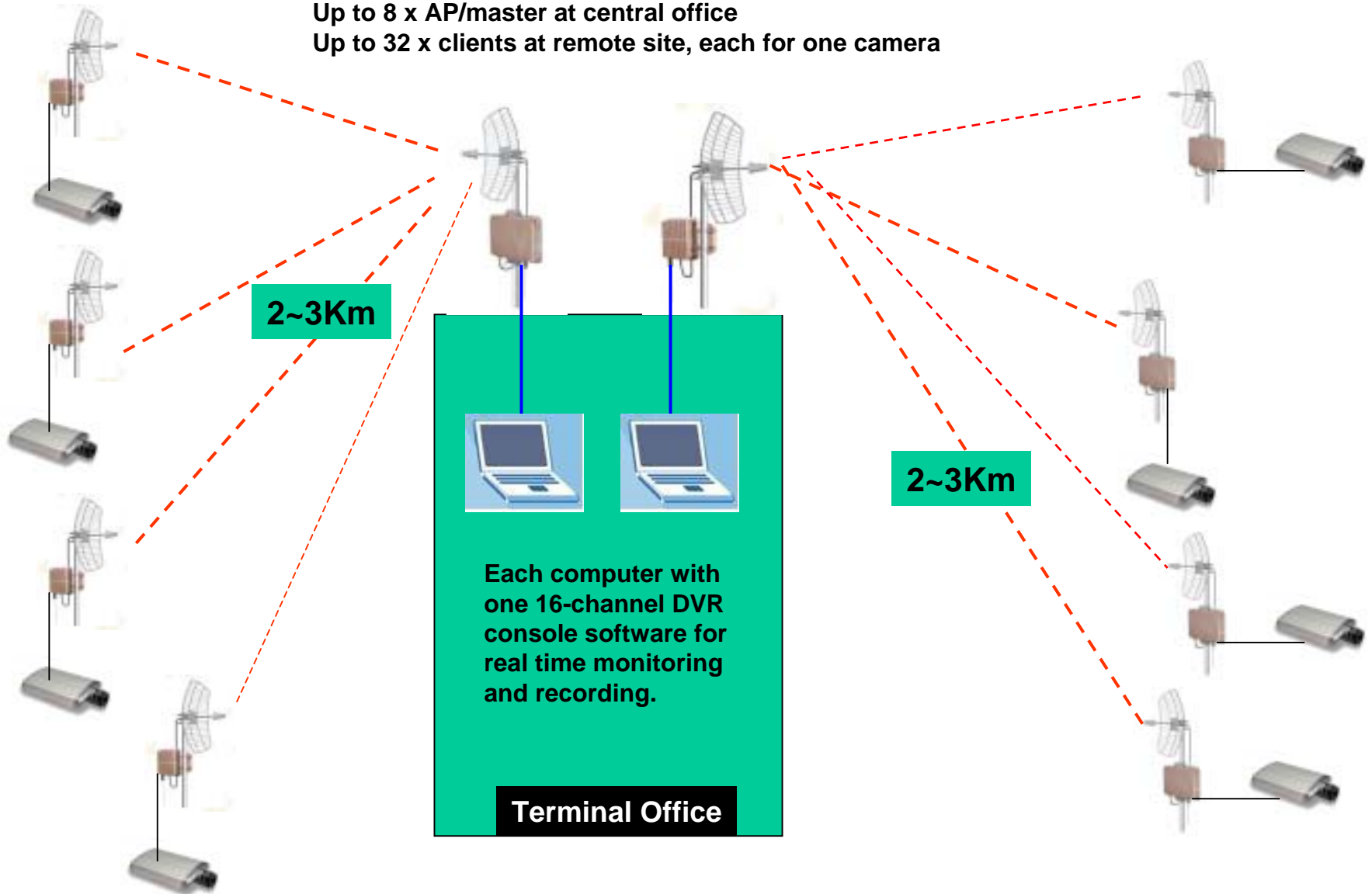
Jan. 2007

Network Description

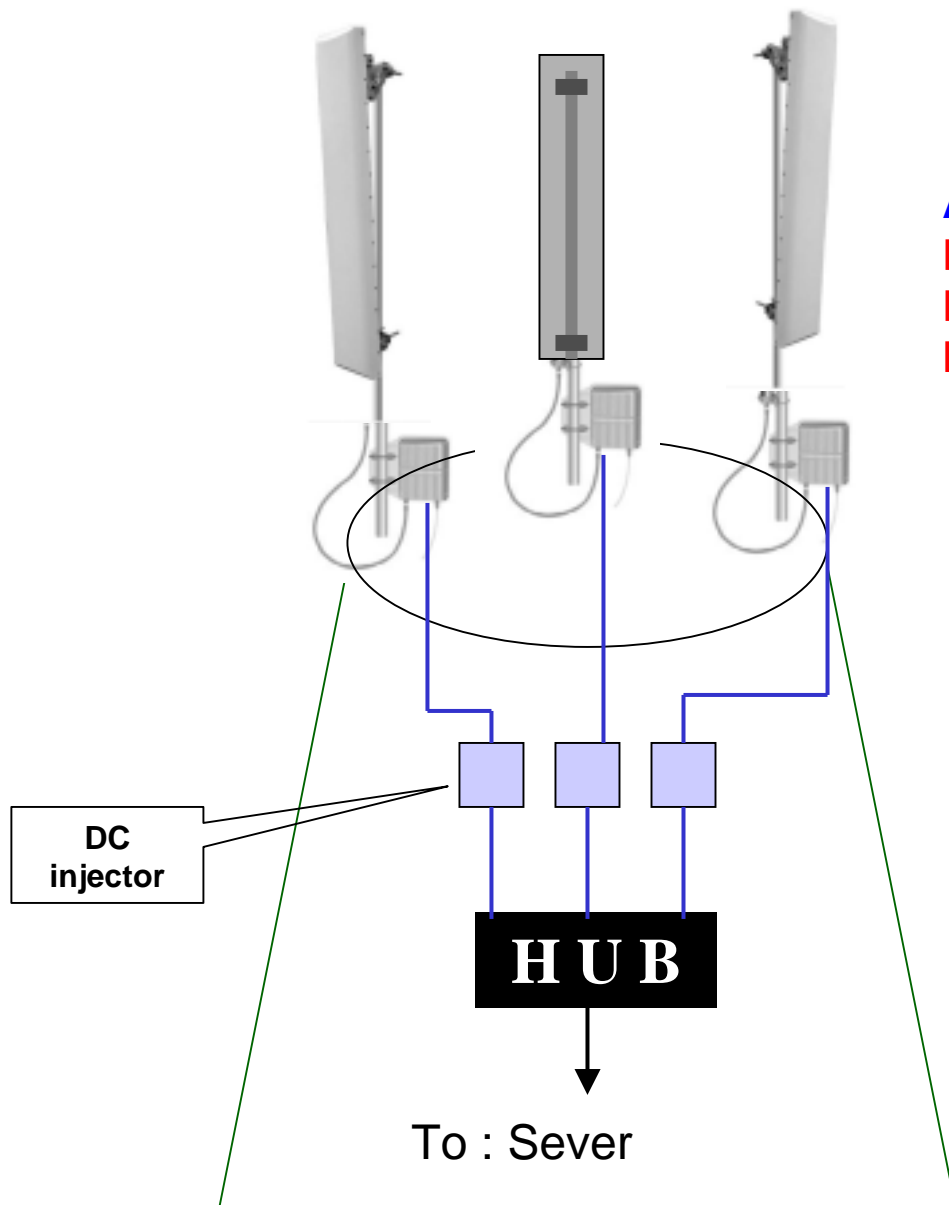
1. Wireless surveillance basing on WLAN platform for harbor area;
2. Monitoring terminal, stocking, boarding and discharging areas;
3. Backhaul, AP and Client form up the surveillance network with 32 cameras;
4. Fully outdoor solution, day & night vision;
5. Basing on best image and motion quality;
6. DVR for monitoring and recording simultaneously at control room.

Network Scenario

Due to image motion quality level and bandwidth requirement:
Up to 8 x AP/master at central office
Up to 32 x clients at remote site, each for one camera



Terminal office Scenario



**AP + directional antenna
back-to-back scenario
Directional antenna in circle**

Advantages:

**Best Coverage and Reliability !!
Big bandwidth for each tower
High flexibility of RF channel options !!**

Advantages of Tower:

Beam width: 360 degree, omni-directional

Total bandwidth: Multiplied by number of AP

**Channel Flexibility: 39 channels.
Overlapping channels with other tower: many, many....**

Component – 1 Site WLAN units



ASU-24005G

802.11g, 100 mW

Plastic Outdoor unit, cost-effective entry level.

with 12-dbi flat-panel antenna integrated

Component – 2

Cameras

PZ-6122

Fastdome, 15x zoom

**VT-16 outdoor housing with
cooling fan and warmer**



DVR software
In terminal office

DVR console software:

Support 16 channels per PC, real time monitoring, recording with flexible playback. Free bundled with the IP cameras.













**Camera at
here!!**



**WLAN unit –
ASU-24005G
up there!!!**



ASU-24005G

**IP Fast dome, 25x
optical zoom, day
& night, outdoor**



Terminal Administration Building







DVR console software in monitoring room



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**Innovation
Thank you !**

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