



Improving User Experience with Visual WiFi Performance Measurement and Optimization Solution

Lidar localization and mapping in real-time



Organization

China Mobile ** Branch

Serves over 8.5 million home broadband subscribers, with more than 4,000 network maintenance personnel

Background

These days, having fast and reliable WiFi connectivity at home has become a necessity.

However, in many instances, Wi-Fi is annoyingly sluggish with weak coverage, causing dissatisfaction and inconvenience.



Challenge

Users complain about inconsistent coverage, while they don't buy the diagnostic results and optimization recommendations from the network maintenance service providers. Network operator need a WiFi site survey solution that enables real-time visual network validation and optimization while protecting user privacy.

Solution

Dingli provides Lidar-based visual WiFi performance measurement and optimization solution enables real-time localization and mapping. It's an efficient and convenient WiFi site survey tool with a handy mobile platform to provide in-depth measurement and troubleshooting.

It enables the user to examine actual coverage and gain insight into user experience to avoid performance complaints and costly WiFi re-design.



Reduce Maintenance Cost

- Highly improve the operation and maintenance efficiency
- Labor costs reduced by **20%**.

Improve QoE

- Complaint resolution rate increased **from 93% to 98.93%**
- Average complaint handling time reduced **from 10 hrs. to under 2 hrs**
- Customer satisfaction survey rating from the third-party organization improved **from 88.6% to 98.56%**
- Labor costs reduced by **20%**.



Find us: www.dingli.com

For more information on DingLicom products, applications or services, please contact your local DingLi office.