

# Omada EAP215-Bridge Kit Delivers Stable CCTV Connectivity Across a 1 km<sup>2</sup> Residential District

## Project Scope

Upgrade a large residential CCTV deployment with a stable multi-hop wireless bridge backbone for long-distance links, while eliminating repeated connection interruptions.

## Customer Profile

Name: Le Logis  
Quaregnonnais  
Industry: Public housing  
Location: Quaregnon,  
Belgium  
Partner: Visiome Security

## Solutions

### Wireless bridge backbone

- 13 × Omada EAP215-Bridge

### Centralized management

- Omada Controller

Visiome Security replaced an unstable wireless CCTV backbone with an Omada multi-hop bridge network built with 13 wireless bridges. The new solution supports up to four hops on a single link and delivers stable, uninterrupted real-time video transmission across an obstruction-heavy 1 km<sup>2</sup> residential district in Belgium.

## Stable Real-Time CCTV Connectivity Across a 13-Bridge Multi-Hop Network

Le Logis Quaregnonnais needed reliable live CCTV visibility across a large residential district, with monitoring handled from an administration building located around 800 meters away. New cabling across the site was not practical, while the first wireless bridge approach proved too slow and unstable for continuous video transmission.

Visiome Security redesigned the backbone using Omada EAP215-Bridge, creating a 13-bridge wireless network with up to four hops on a single link. Omada also supported validation during deployment. The result was a stable, fast, and resilient outdoor CCTV backbone capable of maintaining real-time video links despite major physical obstructions.

# Omada Replaces Unstable Links with Reliable CCTV Connectivity

## Challenge

The original bridge setup was too slow and unstable for continuous CCTV transmission. A new wireless design was needed to cover long outdoor distances, overcome heavy obstructions, and avoid site-wide cabling.



## Solution

Using 13 Omada EAP215-Bridge units, with up to four hops on one link and centralized management via the Omada Controller, the final design delivered stable and responsive real-time video transmission.



There is now a considerable sense of calm.

Luc Goffaux,  
Managing Director, Le Logis Quaregnonnais

## Key Metrics

Bridges

**13 Wireless bridges**  
up to 4 hops

Distance

**Approx. 800 m**

Before

**Slow + cuts**

After

**Stable + fast**

## Business impact

The deployment provided the customer with a dependable real-time CCTV backbone without the need for civil works. At the same time, Visiome Security gained a repeatable multi-hop wireless bridge design for large outdoor sites where previous wireless solutions could not meet availability requirements.

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