

Wireless CCTV Network Secures

Critical Assets in
the **Kingdom of Bahrain**

A photograph of the Kingdom of Bahrain, featuring the iconic twin towers of the Bahrain World Trade Center rising from a small island in the turquoise Persian Gulf. The sky is clear blue, and the surrounding city skyline is visible in the background.

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Introduction

As part of a national initiative to strengthen homeland security, the Kingdom of Bahrain required a modern, scalable video surveillance infrastructure capable of monitoring critical assets and public areas. Traditional cabling would have been disruptive and costly across urban and sensitive zones. To address this, Wavesight partnered with local integrator Yusif Bin Fakhro, based in Manama, to design and deploy a large-scale IP-based wireless video surveillance system. The solution leveraged Wavesight's wireless transmission radios to ensure secure, reliable, and real-time video feeds for police forces across the country.

Requirement

- Enable nationwide video surveillance across sensitive and high-security areas
- Transmit video feeds securely to police stations with minimal latency
- Avoid extensive cabling works, which would have been costly and impractical
- Ensure scalability to support growing surveillance needs and future-proof the system

Solution

- Collaborated with Yusif Bin Fakhro to design and implement the wireless network architecture
- Deployed 500+ industrial-grade Wavesight wireless radios to build a resilient nationwide backbone
- Implemented an IP-based wireless video surveillance system, optimized for secure, real-time transmission
- Established connectivity between cameras at critical locations and the nearest police command centers
- Delivered a flexible and scalable solution capable of expanding as Bahrain's security requirements evolve

Results & Benefits

- **Enhanced national security** through real-time monitoring of critical assets and sensitive zones
- **Rapid deployment** without the need for disruptive cable trenching across urban areas
- **Reliable performance** with consistent low-latency video transmission
- **Future-ready network** that can scale with Bahrain's evolving surveillance needs

Why Wavesight?

Wavesight designs and delivers wireless transmission solutions purpose-built for high-security environments. By working with trusted local partners like Yusif Bin Fakhro, we provide governments, police forces, and critical infrastructure operators with robust, cost-effective surveillance networks that ensure reliable performance under demanding conditions.