



Wavetel WR574 5G Router for Smart City Video Surveillance

Overview

The Wavetel WR574 5G Router provides reliable, high-bandwidth connectivity for smart city CCTV systems, enabling real-time video transmission from surveillance cameras to central monitoring stations without the need for fixed-line infrastructure.

Challenge

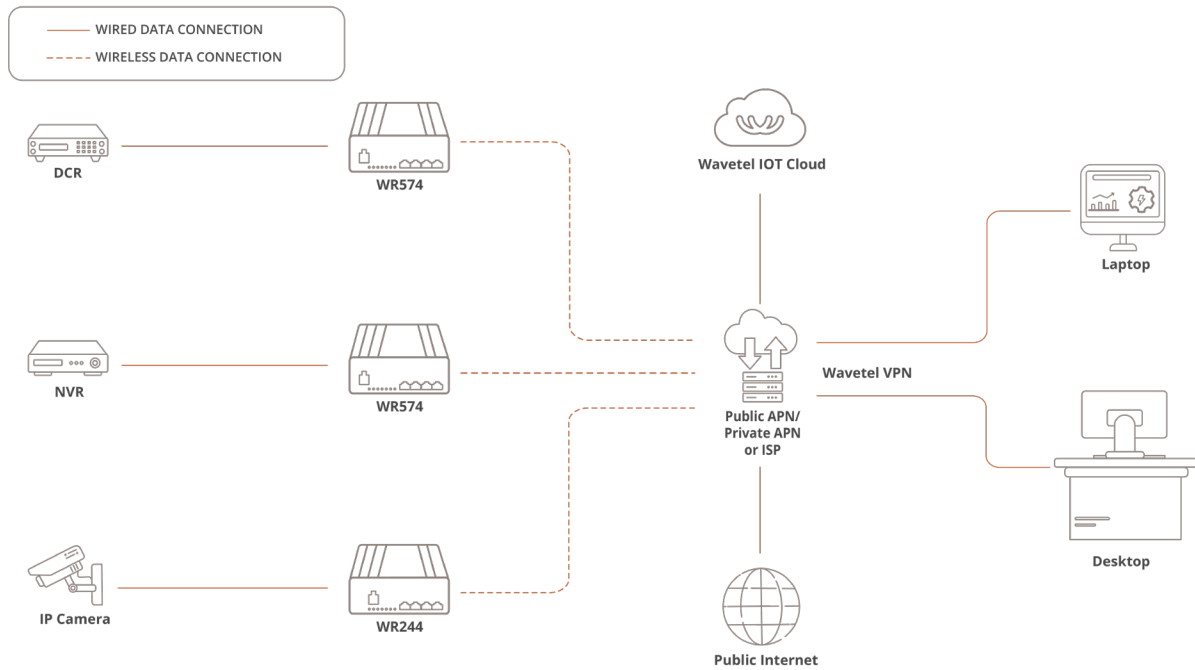
- Traditional wired networks are impractical for remote or temporary camera installations
- Public safety requires 24/7 surveillance with zero downtime
- High-resolution video streams demand consistent, high-bandwidth connections
- Multiple network carriers may be needed for reliable coverage across urban areas
- Remote locations lack IT staff for frequent maintenance

Solution

The WR574 delivers:

- ✓ 5G/LTE connectivity with dual SIM failover for uninterrupted video transmission
- ✓ High-speed backhaul (up to 600Mbps) for multiple HD/4K video streams
- ✓ Ethernet ports for direct NVR/DVR/IP camera connections
- ✓ Secure VPN tunnels for encrypted video transmission
- ✓ Remote management for configuration and video monitoring

Topology



Benefits

- **Always-on surveillance:** WAN failover and Sim failover
- **Rapid deployment:** Install cameras anywhere with cellular coverage
- **Superior video quality:** 5G bandwidth supports high-resolution streams
- **Reduced infrastructure costs:** Eliminates expensive cabling
- **Centralized monitoring:** Real-time access to all camera feeds
- **Wide operating temperature range:** -30°C to 70°C

