



## Case Study: **Video Surveillance Transmission**

### City of David Ensuring Visitor Safety in Historic Landmark

The City of David is a historic landmark in Israel, considered to be the actual site of the biblical city of Jerusalem. The site draws tens of thousands of visitors yearly.

The City of David Foundation, an organization charged with safeguarding the historic site, had the mission-critical task of ensuring visitor safety and deterring crime and vandalism. The Foundation installed more than 150 cameras throughout the site, and sought a solution that would transmit video from the cameras back to its central command center.

After assessing several options, RADWIN's WinLink 1000 wireless broadband systems were chosen. The point-to-point systems transmit high-quality video 24x7 from the cameras back to the command center, from where a security team can detect and respond to events on the spot.

City of David landmark, Jerusalem, Israel





“ RADWIN's WinLink 1000 systems meet the mission-critical needs of our organization, enabling us to detect and respond to events in real-time and ensure visitor safety. ”

Dvir Kahana, City of David Foundation

## Customer

The City of David Foundation, an organization charged with safeguarding the City of David historic landmark in Jerusalem, Israel.

## Challenge

The key challenge facing the City of David Foundation is to ensure visitor safety and prevent crime and vandalism in the site. To that end, the foundation had to find a solution that could transmit high-resolution, high-quality video from the cameras in the site back to its command center.

The City of David is situated in a densely populated urban area in the foothills of east Jerusalem, so using a wireline infrastructure for surveillance transmission was both cost and time prohibitive. A point-to-multipoint solution was also considered, but it could not provide the dedicated, high-resolution bandwidth that was needed for this mission-critical application.

The need for a high-quality, cost-effective transmission solution led the foundation to identify point-to-point wireless broadband as the best option.

## RADWIN's Solution

The City of David Foundation chose RADWIN's wireless broadband systems for video surveillance transmission.

Video cameras were deployed in strategic locations throughout the site, and RADWIN's systems carry high-resolution video from the cameras back to a central control center. From here, security personnel can detect and respond to security events on the spot.

## Results

- RADWIN's systems help guarantee visitor safety by providing actionable surveillance information in high-quality in real-time.
- RADWIN's systems deliver 18 Mbps net throughput – enable aggregating traffic from multiple cameras and running many applications on 1 link.
- Systems operate flawlessly in the most challenging topographies and provide dedicated, high-quality bandwidth non-stop.
- Going wireless leaves the land of the historic site intact and unspoiled.
- RADWIN's systems can be set up where and when needed quickly and easily.



WinLink 1000 deployed for video surveillance transmission



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