

# High-Performance Wireless Network Enhances Public Safety in City of Fairfield

RADWIN's wireless solutions chosen for real-time video surveillance

## Overview

The City of Fairfield in California, USA is a thriving community accommodating a population of over 110,000 people. One of the city's top priorities is to ensure the safety of its residents and visitors. Accordingly, the City of Fairfield decided to establish a high-capacity wireless surveillance network that would transmit video from IP CCTV video cameras deployed throughout the city back to its command center. The live video feeds would enable city personnel to effectively detect and respond to criminal activity and other incidents.

After a careful evaluation process, the City of Fairfield chose RADWIN's Point-to-Multipoint and Point-to-Point solutions to serve as the building blocks of its surveillance network. RADWIN's wireless radios deliver the ultra-capacity, high performance and robustness required for this project.

## The Challenge

Prior to using RADWIN's equipment, the City of Fairfield was utilizing wireless radios that were not providing stable bandwidth required for wireless IP CCTV camera video streams. The challenge lay in implementing a wireless surveillance transmission network that would deliver high-quality video in real-time with zero interruptions.

*"We are now migrating all existing wireless CCTV infrastructure to RADWIN 2000 Point-to-Point and RADWIN 5000 Point-to-Multipoint product lines."*

Travis Jones, I.T. Analyst  
City of Fairfield, CA



## The Customer

### City of Fairfield, California, USA

Fairfield is a city located in Solano County in Northern California, USA. Fairfield is a vibrant and diverse community with respect for its heritage and a vision for the future.

[www.fairfield.ca.gov](http://www.fairfield.ca.gov)

## The Distributor

### Streakwave Wireless, Inc.

Streakwave Wireless, Inc. is a global value added distributor that offers complete lines of wireless broadband networking equipment, two-way communications, telecommunications solutions, IP surveillance/security and green technologies from top-tier manufacturers.

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## The Solution

The City of Fairfield's I.T. division evaluated multiple radio vendors; "RADWIN was the only company that answered the requirements for this project," stated Travis Jones, I.T. analyst for the City of Fairfield.

The City of Fairfield deployed Sony fixed and pan-tilt-zoom cameras in strategic locations throughout the city, including building complexes, parks and major traffic intersections.

The RADWIN 5000 Point-to-Multipoint and RADWIN 2000 Point-to-Point systems in the 4.9 GHz and 5.x GHz bands are used to transmit and backhaul video traffic from the cameras back to the city's command center. Delivering ultra-high capacity of up to 200 Mbps, RADWIN's systems provide superior image quality and enable city personnel to manage the entire surveillance transmission network from one central location.

## The Results

The RADWIN-based surveillance network empowers the City of Fairfield to:

- Improve public safety and security throughout the city
- Deter crime and enhance the police department's detection and investigation ability
- Achieve coverage and access to areas where the city doesn't have police presence
- Do more with less – police department budget constraints limit the number of officers that can be deployed. Cameras act as 'virtual eyes' - saving taxpayers' dollars
- Flexibility to quickly move and install cameras as the city's needs dictate

*"By utilizing the RADWIN wireless products we are able to easily deploy cameras in virtually any location within our city limits. The ability to deter, prevent, or capture activity using the information collected by the system is another invaluable tool for public safety to our community."*

Sean P. Quinn, City Manager  
City of Fairfield, CA



## Why RADWIN

- » 24x7 video transmission from high-definition cameras
- » Highest capacity for video streams, enabling to read vehicle license plates and providing positive identification of individuals
- » Uninterrupted transmission, even in dense urban environments with RF interference
- » Ability to install cameras in any location, where and when needed
- » Dedicated bandwidth per link; no single point of failure
- » Extremely quick network setup
- » Fast and easy network scalability

## About RADWIN

RADWIN is a leading provider of wireless Point-to-Point and Point-to-Multipoint solutions in the sub-6 GHz space. RADWIN's solutions deliver voice, video and data on a single link with ultra-capacity for long ranges. Deployed in over 140 countries by carriers, service providers and enterprises, RADWIN's solutions deliver carrier-class performance at the most competitive price. The systems are ideal for a broad range of backhaul, broadband access, enterprise connectivity, security and video surveillance applications.

## Corporate Headquarters

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