

KBC WES Mesh Safeguards East Coast Apartments

Residential / HOA Surveillance System



Case study

Background

A large apartment complex located in a popular East Coast beach community needed to implement a comprehensive video surveillance system to provide a greater level of security - and ultimately peace of mind - for its residents.

The Challenge

The primary challenge was designing a wireless system that could accommodate the tremendous bandwidth requirements of 23 separate megapixel cameras while performing in an environment marked by dense trees and significant line-of-sight issues.

The Solution

KBC's mesh system leveraged numerous line-of-sight paths to relay wireless signals from the network of cameras by effectively re-using available frequencies. 5.8GHz patch antennas made it possible to precisely directionalize signals along the available paths.

Outcome

KBC's mesh system successfully met the challenge and is now providing transmission capabilities necessary to deliver high-bandwidth video streams from an expanding network of megapixel cameras.

Today, the apartment community is working with KBC to launch a similar mesh system at a sister property.



KBC mesh meets the transmission requirements of high-bandwidth megapixel cameras