

Fung Kai School Group Intelligent Connectivity Anywhere® and Network Camera Solution for Safe Campus



Anywhere
INTELLIGENT CONNECTIVITY



Overview

With a population of over 3,000 students from a kindergarten, two primary schools and one secondary school, the Fung Kai School Group in Hong Kong views security as one of their top priorities. They needed an efficient and robust surveillance system to keep their students, staff and teachers safe.

They are looking for a reliable security system to effectively prevent violence and theft; to minimize vandalism and the costs for repairs. A monitoring system at the car park and entrances of the campus is essential to keep track of the daily traffic of vehicles and pedestrians, preventing kidnap cases and providing valuable investigation sources for incidents and suspect identification.

Paired with HD network cameras, Anywhere Networks' Intelligent Connectivity Anywhere® technology delivered the ideal safe campus surveillance solution for Fung Kai School Group, enabling the rapid deployment of network cameras in the exact locations required without the expense and limitations of cabling or wires. Anywhere Networks' nodes provided fiber-like performance and extended connectivity to all the areas where video surveillance was needed.

Customer

Fung Kai Kindergarten
Fung Kai Innovative School
Fung Kai No. 1 Primary School
Fung Kai No. 1 Secondary School



Deployment Location

Hong Kong

Application

Safe Campus—wireless mesh video surveillance

Products Deployed

X20 MeshRanger

Competition

Conventional cabling surveillance network suppliers

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The Challenge

- Comprised of a kindergarten, two primary schools and one secondary school, the campus needs a security system to cover an area of 100,000m.²
- Some network cameras need to be placed at outdoor locations where cable cannot reach easily.
- HD surveillance feeds are essential and pan-tilt-zoom cameras are needed for the surveillance of critical locations.

The Solution

- A 5-hop wireless mesh ring is built on the rooftops of 4 school buildings as backbone using X20.
- A relay-site overcomes the non-line-of-sight blockage.
- Mesh link redundancy and auto-recovery features are incorporated for highly resilient network structure.

The Benefit

- Significantly shortened the rollout time of the entire system, compared with the traditional deployment of connecting network cameras with cables or fiber optics.
- Simple construction work allows for deployment during school days with minimum disturbance and making future maintenance easier.
- High bandwidth and low latency network easily supports full HD video quality and bandwidth-demanding pan-tilt-zoom video feeds.
- Proprietary network with encryption prevents leakage of confidential information and surveillance feeds
- Gigabit network is scalable for future addition of network cameras, maximizing the value of infrastructure investment.

“ Anywhere Networks intelligent connectivity technology lives to its promise of a truly rapid deployment. We no longer have to wait till the summer break to set up the surveillance system because the works bring no disturbance to the school’s daily learning activities at all!

—Principal of Fung Kai No.1 Primary School, Mr. Chu Wai

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Installation on the rooftop of the school



Overview of the deployment architecture

About Anywhere Networks

Anywhere Networks develops and globally markets network infrastructure solutions and services for Smart City applications with focus on public safety, intelligently connecting IoT devices and video surveillance cameras for public and private customers. Anywhere Operating Systems, A-OS, and Anywhere Network Nodes, A-NN, offer scalable, high-capacity, secure network solutions based on Anywhere's Intelligent Networking Technology for bandwidth-demanding applications and mission critical network infrastructure. Anywhere Networks solutions and services are well suited for public safety and video surveillance applications for Smart Cities, Safe Cities, Transportation Networks, and Industrial Environments.

Visit www.anywherenetworks.com or contact sales@anywherenetworks.com for more details.

