



Video Solutions for Security Professionals™

CASE STUDY



At a Glance:

Market:

Large Infrastructure

Location:

Gurnee, Illinois

Application:

A powerful surveillance system to secure a horse stable with added Wi-Fi using LTS HD-TVI cameras and Ubiquity antennas.

Case Study: Wireless Solution Secures Stable for Surveillance

Introduction

The Village of Gurnee in Northern Illinois is a very rural area, there's plenty of space to raise horses and trails to ride them. A homeowner with a detach horse stable on the property rents out stalls where people can keep their horses safe, train, feed, and groom them. The stable had no previous surveillance system, and with owners coming and going to care for their horses, security was a major concern. The homeowner wanted a powerful surveillance system with Live View to ensure the safety of the horses, make sure their food, grooming tools and riding equipment isn't stolen or doesn't go missing. The installer needed a

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Featured Products:

(CMHT2722W-28) Platinum
HD-TVI Turret Camera
2.1MP – 2.8mm

(LTN8708-P8) Platinum
Professional Level 8
Channel NVR 1U

(LTD8316T-FT) Platinum
Advanced Level 16 Channel
HD-TVI DVR 1U

(LTB301) Wall Mount

system that offered reliability and wouldn't drop signal in a rural area. They also requested Wi-Fi connection in the stable for the renters to use.

Challenge

The main house is 300ft away from the stable. It has internet connection, but had no Wi-Fi to supply the stable with internet connectivity. The stable only had power. The installer immediately saw the need for a wireless solution, but wasn't confident about how to go about it, especially since wireless signals in a rural area had its challenges.

Solution

With the help of an LTS security consultant, the installer tested a possible solution. First, he connected and programmed a pair of wireless Ubiquity antennas (APNBM5-19), receiver and transmitter. He also used a Cisco router (BV-APRV130) to help establish a Wi-Fi connection which would then be used to add Wi-Fi to the stable.

Once the installer finished connecting and programming the equipment, he moved the transmitter and a Platinum Advanced Level 16 Channel HD-TVI DVR 1U, LTD8316T-FT, into another room. The wireless signal between the transmitter and the receiver managed to stay solidified, the installer immediately knew the system would work between the house and horse stable at his customer's home.

In the horse stable, he connected 11 Platinum HD-TVI Turret Cameras 2.1MP-2.8mm, CMHT2722W-28, to the Platinum Advanced Level 16 Channel HD-TVI DVR 1U. Those were then connected to the Cisco router, then to the transmitter outside the stable. The stable's 11 cameras were supported by wall mounts, LTB301. The router established a Wi-Fi signal in the stable.

The receiver was installed near the roof of the home, and connected to a router and modem inside. Information was recorded to a connected Platinum Professional Level 8 Channel NVR 1U, LTN8708-P8, and a computer. A TV monitor for Live View of the horses and anyone in the stable was also established.

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Results

The security consultant said installation results were exactly what his customer needed and the equipment worked just perfect. The signal did not drop. The homeowner was very grateful for the Live View to make sure the animals are secured.

Editor's Note: LTS Offers Ubiquiti solutions, please contact your security consultant for more information.

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