



Video Solutions for Security Professionals™

CASE STUDY



At a Glance:

Market:

Cities

Location:

Dallas, Texas

Application:

Up to 60 cameras installed in six outdoor retail centers.

Case Study: LTS Solutions Monitor Six Texas Malls

Introduction

One property management company in Dallas, Texas is combating crime and keeping the public safe by installing up to 60 cameras at six different outdoor retail centers. They expanded so fast, they outgrew their surveillance previous network. They needed a parallel network at each center. There's a major hardware store, nursery, and an organic grocery store at some of the centers. The company wanted monitoring in every common area of the center. Management hired an installer that needed to carefully plan for a new surveillance system. They needed a high resolution utilizing both HD-TVI and IP with built-in audio cameras.

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Featured Products:

(CMHT2122-28) Platinum Turret HD-TVI Camera 2.1MP



(CMIP7422-28) Platinum Fixed Lens Dome Network IP Camera 2.1MP



(CMIP3142W-28S) Platinum Fixed Lens Dome Network IP Camera 4.1MP – 2.8mm



(CMIP7562F) Platinum Fisheye IP Camera 6MP – Indoor



(CMIP8222) Platinum Mini Bullet IP Camera 2.1MP



(LTN0764) Platinum Enterprise Level 64 Channel NVR 2U



(LTN8816) Platinum Enterprise Level 16 Channel NVR 1.5U

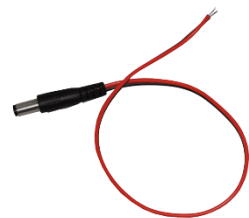


(LTD8316T-FT) Platinum Advanced Level 16 Channel HD-TVI DVR 1U



(DHWD10PURX) Western Digital Purple Surveillance Hard Drive - 1TB

(DHWD40PURX) Western Digital Purple Surveillance Hard Drive – 4TB



(LTA2010) Pigtail Cable – Male

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Challenge

For a successful installation, the installer invested a lot of pre-planning into this project. The installer's first priority was figuring out proper height, distances and lens specs at each location for the perfect surveillance coverage. Once the specific height and specs were determined, he established a cabling route for the cameras to connect to one main central security location for all six retail centers where there are NVRs and DVRs.

High resolution of both HD-TVI and IP need to be installed within a strict timeline. He installed 24 Platinum HD-TVI Turret Cameras 2.1MP, CMHT2122-28, sparsely throughout the retail centers, specifically attached to the wall by the parking lots and main walkways. CMHT2122-28 is equipped with Smart IR up to 65ft. Smart IR helps balance out images should an object be up close to the camera and overexposed by the sun or other type of lighting. He used 24 Male Pigtailed connections to bring full power for this part of the system.

The cameras were connected to two Platinum Advanced Level 16 Channel HD-TVI DVR 1U, LTD8316T-FT for full time recording. Two Western Digital Purple Surveillance Hard Drive-1TB, DHWD10PURX, stored video information from the cameras.

Four Platinum Fisheye Network IP Camera 6MP – Indoor, CMIP7562F, were installed on the above coverings of common food areas at the retail centers. The Platinum Fisheye Network IP Camera 6MP and has multiple viewing capabilities such as Fisheye, Panoramic, Split 180-degrees and ePTZ streams with preset and patrol functions, used for full coverage and no gap surveillance coverage. It's equipped with IR up to 33ft.

To monitor the side walkways leading to the retail center's back areas, the Platinum Fixed Lens Dome IP Camera 2.1MP – 2.8mm were installed along the wall and pointed in various angles for expanded situational awareness. These cameras are 3-axis and can be easily adjusted to deliver a straight image to its NVR. It's also equipped with 30 IR LEDs up to 100ft. The IR enhances images in lowlight situations so details are clearer and more apparent for forensic evidence.

Four Platinum Fixed Lens Dome Cameras 4.1MP – 2.8mm monitored the retail center's main security center and offices. With its compact size, this camera is perfect for discrete monitoring. It's equipped with True WDR 120dB, it's also able to record audio with a built-in microphone.

The retail center managers expressed they needed smart technology to help protect shops, so they wanted a camera that was high definition and offered VCA. The installer chose the Platinum Mini Bullet IP Camera 2.1MP. It's capable of line crossing, intrusion detection and has motion detection. An alarm, alert or email is triggered when the camera senses an intrusion, crossing or

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motion. This will help protect the center and stores. With only 13 cameras available among six retail centers, these cameras dispersed amongst the major anchors of the retail center. Three were installed across Ruibal's Plants of Texas to monitor the public. Another three were installed at another retail center in front of Calloway's Nursery. Seven cameras went to monitor an organic grocery store since they're open 24-hours day, and it added extra security.

All these cameras were connected and routed to two NVRs. The Platinum Enterprise Level 64 Channel NVR 2U, LTN0764, records in real-time with a resolution of 1920X1080P, 16CH simultaneous playback. The second NVR, Platinum Enterprise Level 16 Channel NVR 1.5U, LTN8816, records with a resolution 3072x2048. Third-party network cameras are supported, up to 6MP resolution recording. The video information was recorded on two Western Digital Purple Surveillance Hard Drives, each 4TB.

Results

The property manager for the retail centers was grateful for such service and highest quality LTS products embody. They have room to expand and are in fact still growing to add another 20 cameras total. Overall, the installer was happy about how smooth the project went and so was the property managers.

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