



Video Solutions for Security Professionals™

## CASE STUDY



### At a Glance:

**Market:**

Large Infrastructure

**Location:**

Brooklyn, New York

**Application:**

Black dome cameras in and around a naval shipyard to protect businesses and patrons.

## Case Study: LTS Solutions Used at Brooklyn Naval Yard in NY

### Introduction

The Brooklyn Naval Yard is known for its long history, dating far back to the early 1800s. After the American Revolution, it was used as a place to build merchant vessels. The U.S. government purchased the docks and made it a U.S. Navy shipyard in 1806. By the American Civil War, more than 6,000 men were employed at the yard to build cargo ships. In 1964, the government closed the yard to save money. Today, the government still manages the naval yard, it's an industrial park and home to about 200 commercial businesses

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including: manufacturers for textiles, movie studios, wholesalers, art studios, and engineering firms.

### Challenge

Since this was a commercial government project, the installer needed to tackle several challenges. The coverage area needing surveillance was roughly 30,000sqft., a wide area for installation and cabling. However, the yard did have a previous IP network system which was connected through lots of pipes to prevent fires, water damage, and corrosion to the cameras and the entire system. The installer also needed to find a high quality solution that would work in harsh weather conditions and bring sophistication to such a project. The government wanted motorized lens cameras, but gave the installer a limited budget. The best solution was IP network cameras with a fixed lens instead. They also requested black housing for the cameras to be more discreet and blend into the building. The indoor cameras needed to have Wide Dynamic Range (WDR) because of the large windows in the building. WDR allows for clearer detail images by compensating for dark or light areas. WDR makes it so all details in the images are visible.

### Featured Products:

(CMIP7442B-28M) Platinum Fixed Lens Dome Network IP Camera 4.1MP – 2.8mm

(LTN0764-R8) Platinum Enterprise Level 64 Channel NVR 2U

(DHWD60PURX) Western Digital Purple Surveillance Hard Drive – 6TB



### Solution

The installer used 46 Platinum Fixed Lens Dome Network IP Cameras 4.1MP – 2.8mm, CMIP7442B-28M. He placed 40 cameras indoors and six outdoors. The government wanted to make sure they knew who was coming in and out of the structure. The installer placed 20 cameras over or near the major doorways and walkways in the building. The other 20 cameras were installed near large windows where break-ins were likely to occur. These cameras are vandal-proof rated IK10. They also have 30 IR LED that can reach up to 100ft. to work in low light conditions. This feature helps lighten images in the dark. Since there was a previous IP network system in place, it helped with easy plug and play solution for the upgrade. The installer also placed six cameras

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outside for situational awareness of the building. He placed three cameras on the front and three in the back walls of the building, setting them on a wider view by the entrance to monitor that area of the building for outside coverage. The cameras were connected to a sophisticated Platinum Enterprise Level 64 Channel NVR 2U, LTN0764-R8. He upgraded to the newest firmware to utilize H.264 Zip+, which doubles the storage space and reduces bandwidth with advanced video compression technology. The government also wanted 24TB for storage, so they bought four 6TB hard drives.

### Results

The new system was working just perfectly. LTS IP solutions offered high quality clear images with forensic details of those who come in and out of the structure. The Brooklyn Navy Yard's security team found the upgraded system easy to use. The job made it easier for the installer to put in bids on other governmental projects.

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