

## CASE STUDY



## Case Study: LTS Collaborates with Hikvision to Provide Resilient Weatherproof Solution

### At a Glance:

**Market:**

Residential

**Location:**

Long Island, NY

**Application:**

All-weather camera system to monitor waterfront property and withstand corrosion

### Introduction

Long Island lies in a transition zone between a humid subtropical climate and a humid continental climate. The climate features long hot summers with occasional thundershowers, mild spring and fall weather, and cool to cold winters with a mix of snow, rain and stormier conditions.

During the construction of a Long Island residence, a temporary surveillance system was installed on a waterfront property. Installers will often encourage the installation of a temporary camera system to oversee projects as construction takes place for liability purposes. In the process of replacing the temporary system, the installer noticed devices began to show signs of corrosion less six months after being installed.

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### Featured Products:

(DS-7608NI-I2/8P)

8-Channel Embedded Plug  
& Play NVR

(DS-2CD6626DS-IZHS) 2MP

Ultra Low-Light ICR Anti-  
Corrosion Dome Camera

(POE-SW801) 8-Ports

100Mbps Unmanaged PoE  
Switch

### Challenge

As the temporary devices were being replaced, signs of corrosion were noticeably present on the devices, deteriorating after less than six months. Due to the variable climate of Long Island, installers required a solution that could withstand harsh weather conditions and guarantee it would not corrode. The installer also had to come up with a design that could power the cameras without having unsightly wires running throughout the residence.

### Solution

The installer and resident agreed upon installing six Hikvision 2MP Ultra Low-Light ICR Anti-Corrosion Dome Cameras, DS-2CD6626DS-IZHS. The specialty camera's 316L stainless steel design is rated WF-2, C5-M, meeting the highest of anti-corrosion standards. It also comes with an IP67 rating, fully protecting the camera from dust and withstanding submergence in one meter of static water for up to 30 minutes. The IR range of the camera extends from ten to 30 meters, providing clear night footage to monitor the resident's dock. The cameras were connected to the 8-Channel Embedded Plug & Play NVR, DS-7608NI-I2/8P, providing video output up to 4K (3840x2160). An 8-Port 100Mbps Unmanaged PoE Switch, POE-SW801, was used to power to the cameras and provide efficient cable management.



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### Results

The resident has stated operation of the surveillance system is simple and is very satisfied with the Hikvision camera's sturdy design and production of clear forensic evidence. The stainless-steel housing has been reported to show no signs of corrosion and is expected to endure whatever weather condition may come its way. The IR function of the camera provides detailed black and white night footage and offers the resident peace of mind.

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