



Video Solutions for Security Professionals™

CASE STUDY



At a Glance:

Market:
Cities

Location:
White Pine County, NV

Application:
Surveillance system
vandalized to prevent law
enforcement from finding
suspects and destroy
evidence

Case Study: LTS Helps Sheriff's Office with Burglary Investigation

Introduction

White Pine County, Nevada is appropriately named for its lush and plentiful pine trees, its nature reserves and several historical sites. The county is just pure peace. But sadly, there is crime even here. In February 2013, there was a burglary where the surveillance system, LTD2316ME, was vandalized. Police say this was an obvious attempt to prevent law enforcement from finding the suspects. Fortunately, the hard disk drive seemed

marketing@LTSecurityinc.com | LTSecurityinc.com

Disclaimer: The information contained in this case study is to be used only as a case study reference for learning material purposes. Optional formulated by author are intended to protect companies and its names and does not necessarily reflect the views of LTS. For more information on terms of use, please contact marketing@LTSecurityinc.com



Video Solutions for Security Professionals™

CASE STUDY

intact. A detective contacted LTS seeking information on how to retrieve data from the salvaged drive.

Challenge

In a situation like this, it can be hard to retrieve data from the hard drive. The drive could have significant internal damage despite minor external damage. Files could have been corrupted when the device was improperly shutdown. The LTD2316ME came out a couple of years ago, and has 16 channels. The DVR is basically a simple computer running Linux; compatibility issues are unlikely but possible. User error and mean time between failures are factors too.

Solution

Normally, DVR backups can be quickly and easily retrieved. The controls are directly on the Main Menu. A common USB flash drive can store the files. This is obviously not an option if the DVR is not operational.

The first option LTS presented to the sheriff's office was to install the hard disk drive in a normal computer. There is no operating system on a standalone DVR's drive, every byte of space is used for video storage. It needs to be connected as a secondary drive. If this option worked, the DAT files on the drive could be copied and played easily. We included the software to play the files in the initial e-mail (normally included when making a backup from the DVR).

There were other options available if this failed. The next one would be to try reading the drive in Linux. If the problem was compatibility with Windows, then this would solve it. Retrieving the files using another LTD2316ME seems like a simple solution, but it carries a hidden risk. By default, the DVR will recycle hard drive space by deleting old files. The DVR can be configured not to record at all, but there is a chance of user error.

Normally, DVR backups can be quickly and easily retrieved. The controls are directly on the Main Menu. A common USB flash drive can store the files. This is obviously not an option if the DVR is not operational.

The first option we presented to the Sheriff's Office was to install the hard disk drive in a normal computer. There is no operating system on a standalone DVR's drive, every byte of space is used for video storage. It needs to be connected as a secondary drive. If this option worked, the DAT files on the drive could be copied and played easily. We included

marketing@LTSecurityinc.com | LTSecurityinc.com

Disclaimer: The information contained in this case study is to be used only as a case study reference for learning material purposes. Optional formulated by author are intended to protect companies and its names and does not necessarily reflect the views of LTS. For more information on terms of use, please contact marketing@LTSecurityinc.com



Video Solutions for Security Professionals™

CASE STUDY

the software to play the files in the initial e-mail (normally included when making a backup from the DVR).

If this failed, there were other options. The next one would be to try reading the drive in Linux. If the problem was compatibility with Windows, then this would solve it. Retrieving the files using another LTD2316ME seems like a simple solution, but it carries a hidden risk. By default, the DVR will recycle hard drive space by deleting old files. The DVR can be configured not to record at all, but there is a chance of user error.

Featured Products:

(LTD2316ME) Platinum 16
Channel DVR 1U



Results

The first method, connecting the drive to a computer, worked without issue. Despite damage to the DVR, the drive was in good condition and the DAT files were not corrupted. The files were easily played and the incident was indeed recorded by the DVR.

In the end, the sheriff's office was "able to view the files and identify both subjects involved with the burglary, which led to their arrest."

LTS is happy to have been able to provide assistance to the sheriff's office. We are proud that our product was instrumental in bringing two criminals to justice.

marketing@LTSecurityinc.com | LTSecurityinc.com

Disclaimer: The information contained in this case study is to be used only as a case study reference for learning material purposes. Optional formulated by author are intended to protect companies and its names and does not necessarily reflect the views of LTS. For more information on terms of use, please contact marketing@LTSecurityinc.com