



Intelligent Video Surveillance

Tech Tip 140046

VIGIL – DVRLink and Basic Third Party Integration

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Product Involved:	VIGIL Server, VIGIL Client
Purpose:	To inform a user of the baseline procedure for integrating basic VIGIL system Playback with third party software using DVRLink.

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1 Introduction

This document has been created to inform a user or partner on the process of integrating the VIGIL System’s video playback component with third party software.

The VIGIL Software Suite includes a command line interface for loading playback that can be integrated into a web browser for third party use.

2 DVRLink – Command Line Arguments

DVRLink is a common windows application. Assuming it is installed at *TargetDir*, a user may pull footage using DVRLink using the following command line syntax:

```
TargetDir\DVRLink.exe [-s]{ServerIp:Port | ServerAliasName}  
[-c]{OneBasedCameraNumber} <-b>{StartTime} <-e>{EndTime}  
<-u>{UserName} <-p>{Password}
```

Key:

- [-x] : Optional; if not used default value will be used
- <-y>: Mandatory options which must be set
- {z} : argument
- | : alternative argument



Warning: No spaces should exist between options and arguments.

2.1 Command Line Options:

-s VIGIL Server IP address & data port or VIGIL Server alias name

- If using VIGIL Server IP address & data port:
Use format *ServerIP:PortNumber*. For example: 192.168.1.200:22801. This is to access VIGIL Server by IP and port directly. If not specified, the local host(127.0.0.1) and default port (22801) will be used
- If using VIGIL Server Alias name:
Use format *ServeraliasName*, for example: StoreServer1

-c Specify the camera number to be playback

Supports single numeric value only. Range: [1-32]. 32 is the maximum camera number that VIGIL Server supports, but available numbers will vary depending on the Server you are connected to. If not specified, then value "1" is used.

-b Specify the start time to playback

The time is in format: *yyyy-mm-ddThh:mm:ss*, using the desired VIGIL Server's local time. For example: 2014-06-06T16:00:01

-e Specify the end time to playback

The time is in format: *yyyy-mm-ddThh:mm:ss*, using the desired VIGIL Server's local time.

-u Specify the VIGIL Server account user name

-p Specify the VIGIL Server account password

Examples:

Pull playback from camera 1 of a local VIGIL Server with default port 22801:

```
TargetDir\DVRLink.exe -b2014-06-06T10:00:00 -e2014-06-06T10:05:00 -  
uAdministrator -p123
```

Pull playback from a VIGIL Server(10.1.1.420), Data port: 22801, Camera 10:

```
TargetDir\DVRLink.exe -s10.1.1.420:22801 -c10 -b2014-06-06T10:00:00 -  
e2014-06-06T10:05:00 -uAdministrator -p123
```

-or-

```
TargetDir\DVRLink.exe -s10.1.1.420: -c10 -b2014-06-06T10:00:00 -e2014-06-  
06T10:05:00 -uAdministrator -p123
```

3 Pulling Playback with a Web Browser via DVRLink

To load playback using a web browser for use in third party applications, we recommend using a form(example, below) including the following fields:

Paramter	Value
Address	<input type="text"/>
Camera	1
Start Time	2014-07-01T10:00
End Time	2014-07-01T11:00
Username	<input type="text"/>
Password	<input type="text"/>

[Example 1](#) [Example 2](#)

The third party application should maintain a means of running the DVRLink command line arguments using the included fields.

Sample Code:

```
function jsRunExeFile()
{
var ip = dvr.ip.value;
var camera = dvr.camera.value;
var begin = dvr.begin.value;
var end = dvr.end.value;
var username = dvr.username.value;
var password = dvr.password.value;
var linker = document.getElementById("linker");
linker.href = "dvrlink://-s"+ip+" -c"+camera+" -b"+begin+" -e"+end+" -
u"+username+" -p"+password;
linker.click();
}
```

3.1 Basic Mode

By default, the code featured in the previous section will load playback in *Basic Mode*.



3.2 Advanced Mode

If full functionality is desired, a user may click the *Advanced* button at the bottom of the *Basic Mode* window to open the playback in VIGIL Client.



4 Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLOGIC Technical Support:

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