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
i. 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

ii. 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-ddTTh: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-ddTTh: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:

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

Sample Code:

```javascript
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:
Toll Free (North America): (877) 3XLOGIC or (877) 395-6442
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