

The exacqVision **evXBR** interface allows an operator to easily view stored video from a camera and time determined by the Datavantage XBR retail analytics software. **evXBR** operates using the command line interface (ev-CLI) to the exacqVision Client <http://www.exacq.com/reseller/eV-CLI.pdf>.

1 Requirements

1. **exacqVision Client** - version 2.6 or higher installed on the workstation on which video is to be viewed.
2. **evXBR.exe** - download from: <https://exacq.com/downloads/evXBR.exe> and save to the same directory as exacqVision Client. **NOTE:** Because the **evXBR.exe** executable file was downloaded from the Internet, you must right click the file, select **Properties | General tab** and select Unblock.
The default Client location is:
 - a. C:\Program Files (x86)\exacqVision\Client for 32bit
 - b. C:\Program Files\exacqVision\Client for 64bit
3. **evXBRConfig.xml** - create this configuration file also in the same directory as exacqVision Client. (see section 4)
The default Client location is:
 - a. C:\Program Files (x86)\exacqVision\Client for 32bit
 - b. C:\Program Files\exacqVision\Client for 64bit
4. exacqVision Client must have the exacqVision server(s) configured in the **Add Systems** page for which the XBR system will be retrieving video from. If the **evXBRConfig.xml** file specifies an exacqVision Server IP address that has not been configured in the **Add Systems** page of the exacqVision Client, then the search operation will stall.

2 Operation

evXBR.exe takes command line parameters from the XBR software. The following parameters are passed to **evXBR.exe** on the command line:

- s IP address of exacqVision Server on which desired video is stored
- p TCP port number of the exacqVision Server (defaults to 22609 if not present)
- c camera number for desired video (see note below)
- d date (MMDDYYYY)
- b begin time of desired video (HH:MM:SS)
- e end time of desired video (HH:MM:SS)
- v [FILE] (optional) specifies the path and name of the file for the log. Use 1 to log to console; use 0 to disable logging; defaults to log to evXBR.log in same directory as exacqVision Client
- f [FILE] (optional) specifies the path and name of the XML configuration file; defaults to evXBRConfig.xml in the same directory as exacqVision Client

From these parameters, **evXBR.exe** creates the **evCmdLine.xml** file that conforms to the ev-CLI protocol. **evXBR.exe** writes this file into the exacqVision Client directory, and then it starts exacqVision Client with the following command line:

```
edvrclient -FeVCmdLine.xml
```

3 evXBRConfig.xml File

The **evXBRConfig.xml** configuration file is used to map the camera number provided by the XBR system to the video input parameters required by exacqVision Command Line Interface (ev-CLI).

The following attributes can be specified on the same line as the <Config> tag in the **evXBRConfig.xml** configuration file:

- **Top:** top of the client window in desktop coordinates. (Integer) Defaults to mouse cursor position if not specified.
- **Left:** left of the client window in desktop coordinates. (Integer) Defaults to mouse cursor position if not specified.
- **Width:** width of the client window. (Integer) Defaults to 392 pixels if not specified.
- **Height:** height of the client window. (Integer) Defaults to 377 pixels if not specified.

```

1  <?xml version="1.0" ?>
2  <Config Width="392" Height="377">
3      <System IPAddr="66.162.54.82">                                <!-- Exacq server IP address -->
4          <Camera Number="1">                                       <!-- Camera Number as assigned in XBR -->
5              <Input Name="TV">                                       <!-- Analog camera name in exacq -->
6                  </Input>
7          </Camera>
8          <Camera Number="2">                                       <!-- Camera Number as assigned in XBR -->
9              <Input Number="5">                                       <!-- Analog camera number in exacq -->
10                 </Input>
11          </Camera>
12         <Camera Number="3">                                       <!-- Camera Number as assigned in XBR -->
13             <Input Name="Panasonic NS202"> <!-- IP camera name in exacq -->
14                 </Input>
15         </Camera>
16     </System>
17     <System IPAddr="66.162.54.84">                                <!-- Another Exacq server IP address -->
18         <Camera Number="1">                                       <!-- Camera Number as assigned in XBR -->
19             <Input Name="221 - Front"> <!-- IP camera name in exacq -->
20                 </Input>
21         </Camera>
22         <Camera Number="2">                                       <!-- Camera Number as assigned in XBR -->
23             <Input Device="192.168.100.227" Number="1"> <!-- Camera IP addr and input number -->
24                 </Input>
25         </Camera>
26     </System>
27 </Config>

```

NOTES:

- Line 1: The xml prolog is required.
- Line 2: Top and Left are not specified in this example, so the video window will open in the lower right of the desktop.
- Lines 3 and 17: Specifies the IP addresses of the exacqVision servers.
- Lines 4, 8, 12, 18 and 22: Camera Number as it is assigned in the XBR system.
- Lines 5 and 19: The exacqVision input may be specified by name for analog or IP cameras.
- Line 9: The exacqVision input for analog cameras may be specified by input number alone.
- Line 23: The exacqVision input for IP cameras may be specified by IP address of the camera and input number (one-based). This number could be more than one on a multi-input input encoder.

4 Block Diagram

