

XX191-20-01



**VN-HIRSCH-INTV5
ViconNet ver 5.6/Hirsch
Integration Software**

Product specifications subject to change without notice.
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Installation & Operation Manual





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If you are not satisfied with a Vicon product or service, I would like to know. Your complete satisfaction is the mission of every Vicon employee.

Sincerely,

Kenneth M. Darby
President

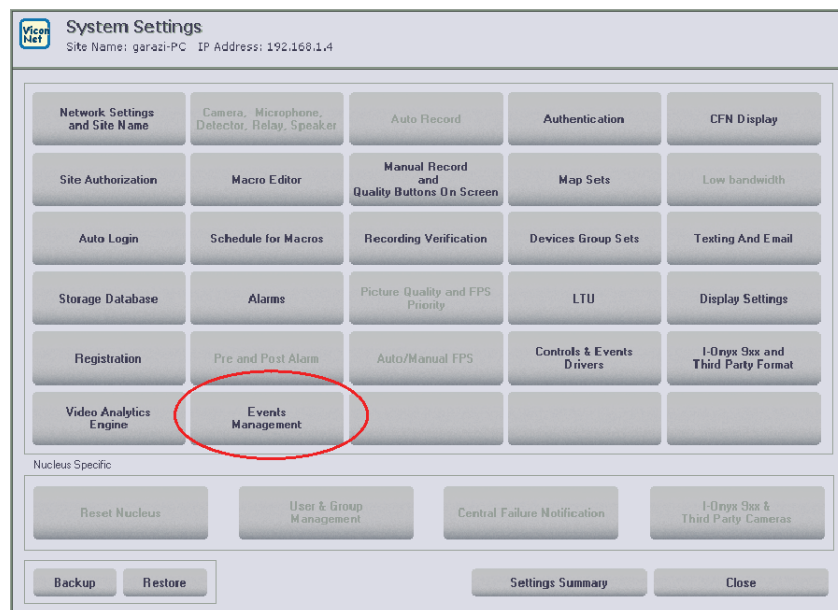
Guide for Configuring and Using ViconNet ver 5.6 and Hirsch Velocity

This guide provides a step-by-step procedure for connecting a Hirsch Velocity system to a ViconNet 5.6 system. Refer to the ViconNet® manual for detailed information. This document assumes that the Hirsch system is installed and operating properly and that ViconNet is at least version 5.6b.

Hirsch configuration instructions are on page 9.

ViconNet 5.6b Settings

The ViconNet device connecting to the Hirsch system to receive events must have the “Events Management” system registered (licensed) and working; this is verified in the unit’s setup menu that shows the “Events Management” button enabled (not grayed out).



Defining the Control Driver

- Click on **Controls & Events Drivers** in System Settings.
- Click on the Add Driver button.
- Select BookmarksReceiver.dll from the Driver Name dropdown list.
- Enter the IP address and port for the Hirsch system sending the events. Note that the configuration of the server port must be done on the Hirsch (XML writer) system in advance (see page 9). Make sure to check the “Network Client” box for this integration.
- The ViconNet application must be restarted for the control to load.

Controls & Events Drivers Settings
Site Name: FPSCCTVGRD IP Address: 192.168.10.110

Installed Drivers

Driver	Baud rate	Port	COM Address	Auto Start	Version	Interface	IP Address

Select Interface:
☐ COM Interface ☒ Network Interface

Driver Information
 Driver Name: BookmarksReceiver.dll
 Driver Version: 0

Comm Information
 Port Number: COM1
 Internal COM Address:
 Baud Rate:

Network Information
☐ Network Server ☒ Network Client
 Server IP Address: 192.168.10.254
 Port Number: 10001

Auto start
☒ Control will be activated automatically during restart.

Buttons: Add Driver, Edit Driver, Delete Driver, Close, Save, Undo

Controls & Events Drivers Settings
Site Name: FPSCCTVGRD IP Address: 192.168.10.110

Installed Drivers

Driver	Baud rate	Port	COM Address	Auto Start	Version	Interface	IP Address
BookmarksReceiver.dll	NA	10001	NA	On	0	Network	192.168.10.254

Select Interface:
☒ COM Interface ☐ Network Interface

Driver Information
 Driver Name:
 Driver Version:

Comm Information
 Port Number:
 Internal COM Address:
 Baud Rate:

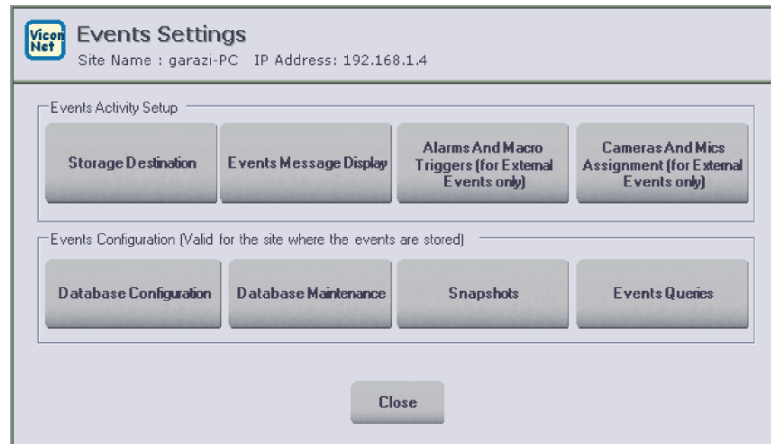
Network Information
☐ Network Server ☒ Network Client
 Server IP Address: 0.0.0.0
 Port Number: 10001

Auto start
☒ Control will be activated automatically during restart.

Buttons: Add Driver, Edit Driver, Delete Driver, Close, Save, Undo

Configuring Events Management

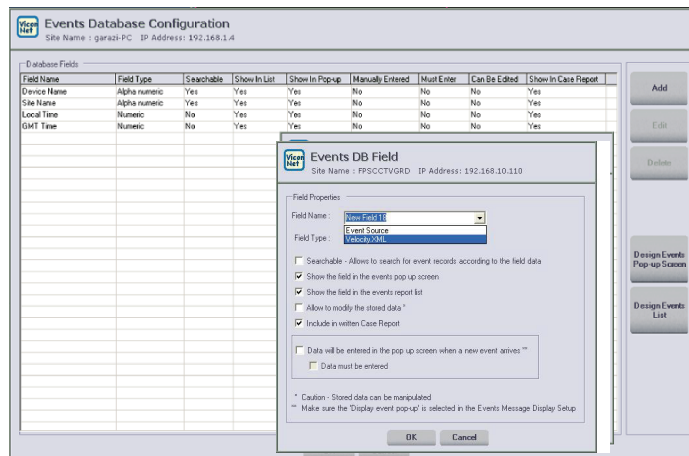
- Click on  in System Settings. The following screen displays.



The next steps define the basic configurations in the various screens of Events Management that allow for the integration specifically with Hirsch. Refer to the ViconNet manual for any additional required configuration screens.

Events Database Configuration

The Events Database Configuration screen allows the addition of fields as they are sent by the Hirsch system. These fields will only exist if the systems have been configured properly and there is good IP communication. If the Hirsch fields do not display, make sure the link is working properly before proceeding (i.e., check IPs, ports, firewalls, etc.).

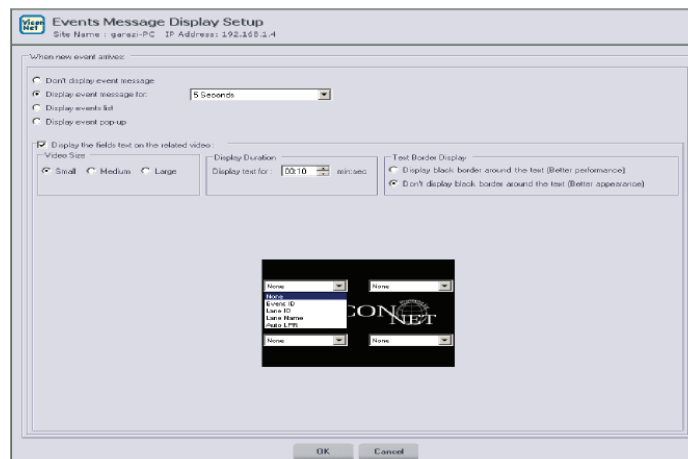


Database Configuration

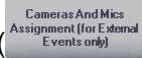
- Click on .
- Click the Add button to open the Events DB Field dialog box.
- Hirsch Velocity sends only one field and it should show as VelocityXML; you must select it from the dropdown list. Add your own, as required. Define the type, search privileges and behavior. This screen also allows customization of the design of the pop-up message and the list “look.”

Events Message Display

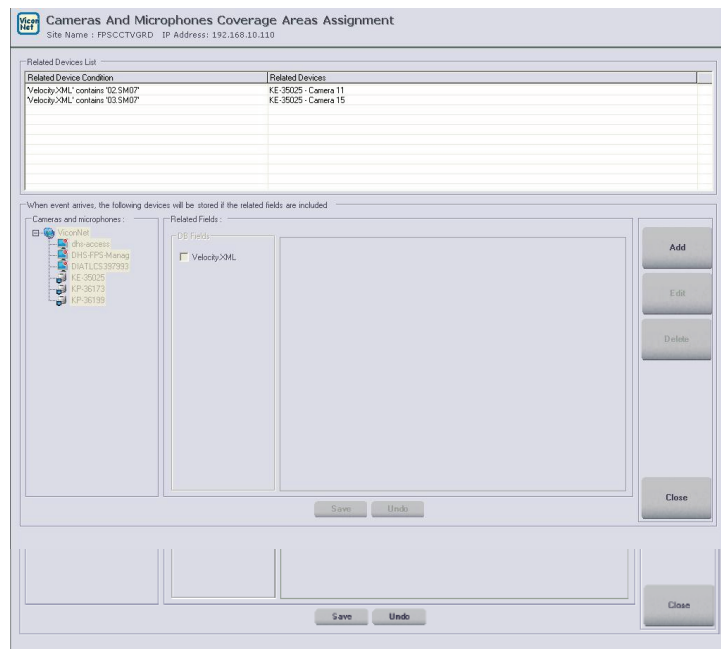
The Events Message Display screen (Events Message Display) configures the way events are seen when they are received by ViconNet, including the on-screen display of various fields as desired. It is recommended to use a temporary message that can be clicked on to see the full event entry.



Events Cameras And Mics Assignment

Use the Cameras And Mics Assignment screen () to create the logical connection between cameras and the doors; this can be done for any field, as needed.

- Click the Add button to create the link.
- Select the camera or microphone (up to 4) to link.
- Check the box of the related field to create the link.
- Define the terms VelocityXML contains... Door XXX (equals, not equals are also an option but because Hirsch sends only one string, contains is usually what you will need) and the parameters; create multiple fields linked by using “And”



Cameras And Microphones Coverage Areas Assignment
Site Name : FPS CCTVGRD IP Address: 192.168.10.110

Related Device Condition	Related Devices
VelocityXML contains "02 SM07"	KE-35025 - Camera 11
VelocityXML contains "03 SM07"	KE-35025 - Camera 15

When event arrives, the following devices will be stored if the related fields are included

Cameras and microphones:

- ViconNet
 - dvhvac002
 - DHS-FPS-Manager
 - DIATLCC387993
 - KE-35025
 - KP-36173
 - KP-36189

Related Fields:

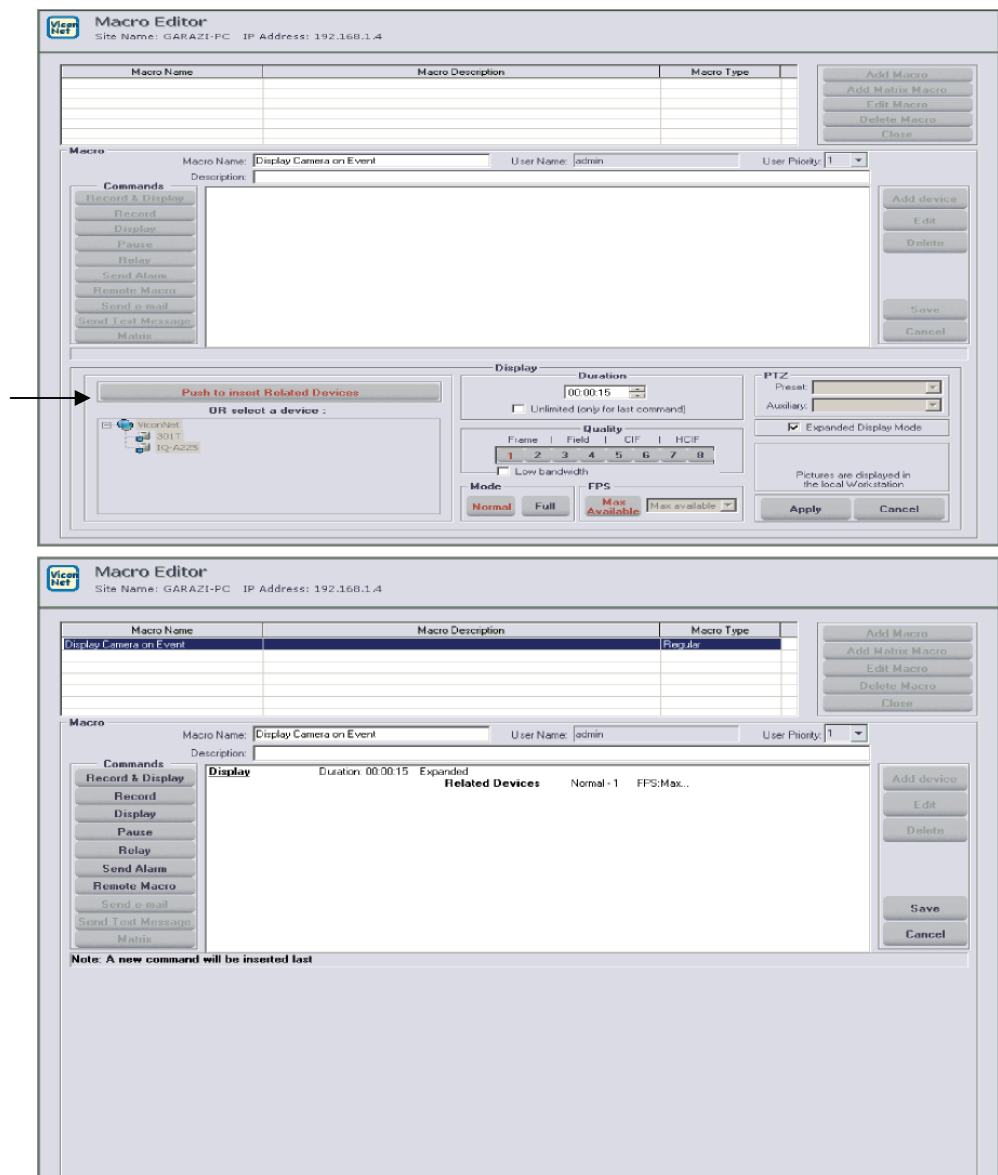
- ☐ VelocityXML

Buttons: Add, Edit, Delete, Close, Save, Undo

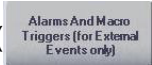
A typical Hirsch integration links cameras to door numbers to use for an event. This step is important as it will determine which cameras will be associated with readers and door later on for macro. Make sure to define all the points.

Configure Macros

For an alarm or macro to be generated when specific events occur, it is necessary to define what part of the event message triggers the macro or alarm. The macro must be written prior to defining the triggers. For example, a macro is written to display the cameras that were correlated to a door for 15 seconds. This is done by clicking on the Push to insert Related Devices (**Push to insert Related Devices**) button on the Macro screen; this will have the macro take the camera from the event correlation, eliminating the need to specify a camera in this screen. (As an alternative, the camera can be specified and separate macros per event can be used.) Refer to the ViconNet manual for configuring macros as needed. A sample Macro Editor screen is below.



Configure Alarms and Triggers

Select Alarm and Macro Triggers () from Events Management to open that screen.

- Click the Add button to create a trigger.
- Enter the term of the trigger (equals, not equals, contains) and select the macro to run when the trigger is met.
- Name the trigger with any logical name. Use whatever fields required to fine tune the trigger.

Note

The trigger configuration is case sensitive; make sure that the Caps Lock function is not active when configuring triggers to avoid problems.

- Click Next to set the schedule for the specific trigger; this allows setting different times for different triggers, as needed.

Typically when integrating with Hirsch, you will need to define the terms that will trigger the macro. For example:

VelocityXML contains Door1

AND

VelocityXML contains access denied

will run a display macro for related devices. The cameras that will be displayed are the ones you assigned to Door1 on page 5 of this manual.

ViconNet Alarm And Macro Triggers
 Site Name : FPSCTVGRD IP Address: 192.168.10.110

When external event arrives with the following information:

Trigger one of the following: ☒ Macro ☐ Alarm ☐ Alarm & Macro

Operate the following macro: Trigger name:

☐ All events (No Conditions)

☒ With all of the triggers below:

DB Fields: ☒ Velocity>>ML

Velocity>>ML: And

AND

☒ With one of the triggers below:

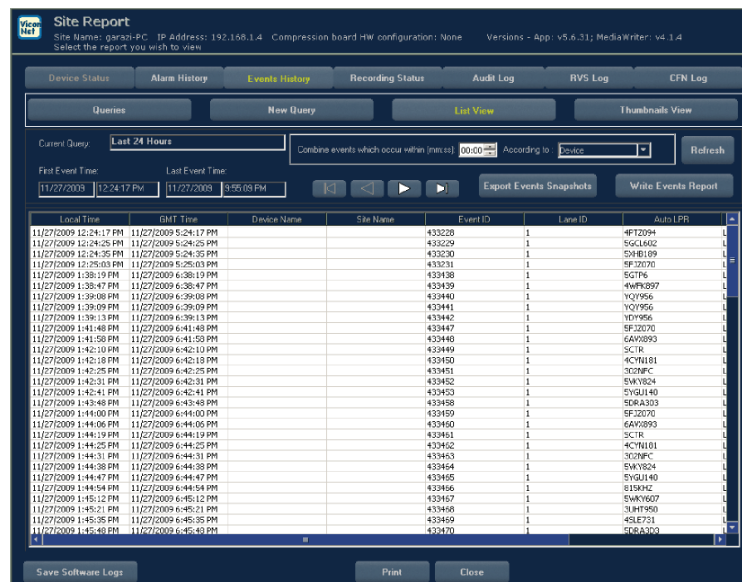
DB Fields: ☒ Velocity>>ML

Velocity>>ML: Or

Reports

The events are stored and accessed through the Reports menu on the unit collecting the events.

- Click Reports on the ViconNet Main screen.
- Select the ViconNet unit and click on the Events History tab. An Events list, a thumbnail view or a Query screen are available to search for an event.



- Double click any event in the list to open the event entry.
- Right click any event in the list to view live video from the correlated camera or playback video from the time of the event or before it occurred.

Note: This screen also provides access to the event report editor to create a text file and export an event thumbnail and text details from the event.

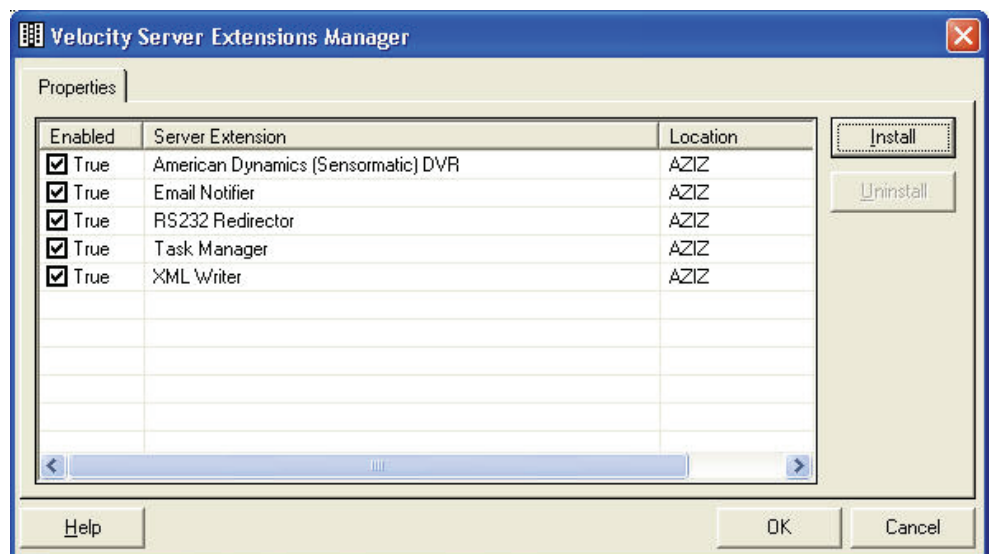
Setting Up the Hirsch Velocity System Running ViconNet

Add the XML Writer

The Video Service will connect to the Velocity XML Writer interface to receive event messages from Velocity. The XML Writer interface is not automatically installed during the Velocity software installation. To install the interface:

- Use the Velocity Add-ins -> Server Extensions... command to open the Velocity Server Extensions Manager dialog box.
- Click the Install button to open an Explorer window.
- Select the 'XML Writer.HEX' file in the Velocity directory.

After it is installed, the XML Writer interface will appear in the Manager window.



Extension Manager Screen

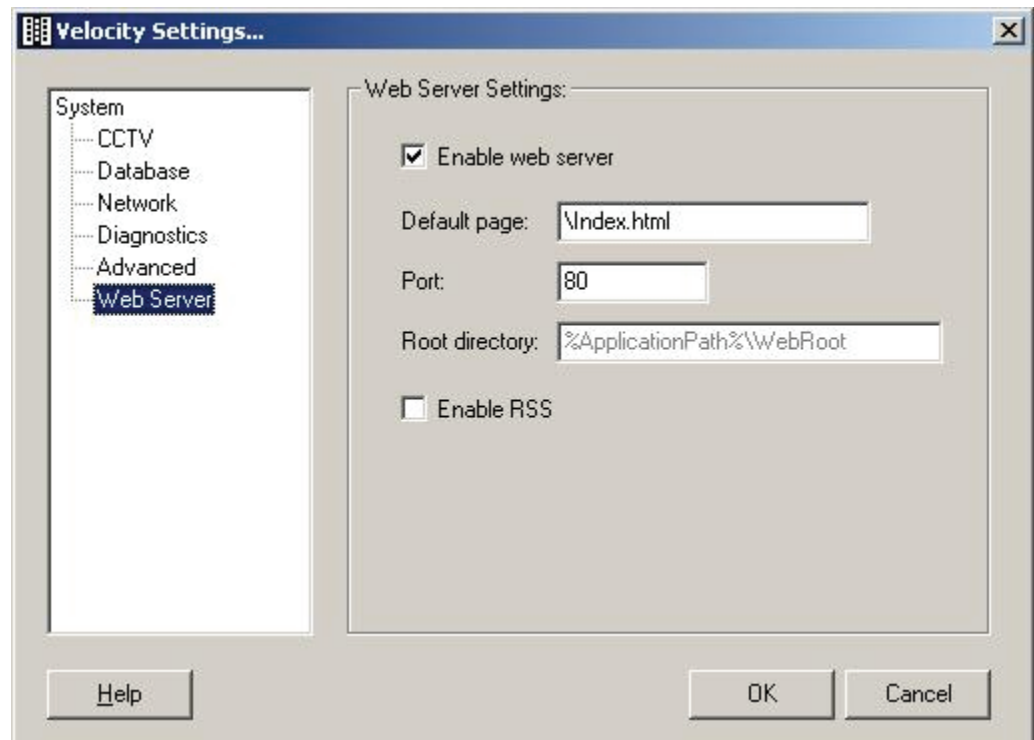
Enabling the Web Server

Note: It is important that the Velocity Server will not be running a web server locally (hosting a website). The web server is required for the integration to work.

On the system running Velocity, go to the Velocity Service Control Manager on the task bar on the bottom.



Right click on the icon and select Settings to open the setting screen.



Select Web Server from the list on the left and verify that the Enable web server box is checked.

You will be asked to restart the Velocity services when done.

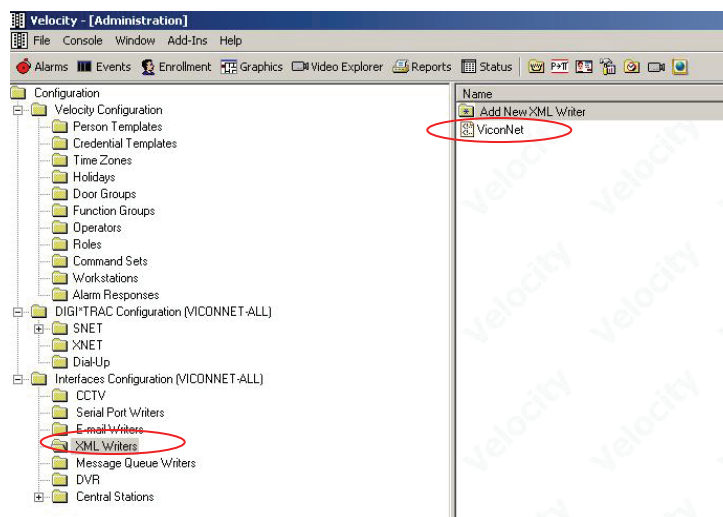
Important!!!

If the Velocity server has a firewall, make sure port 80 is open!

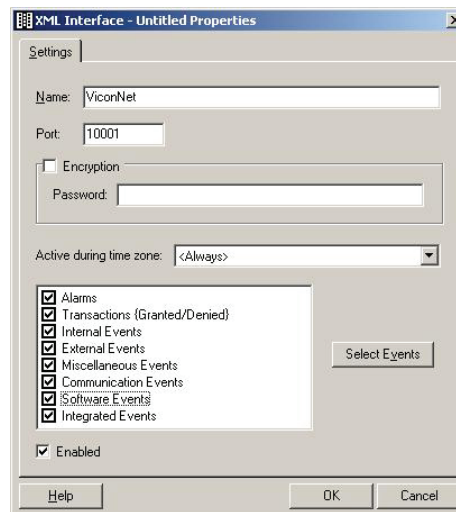
Hirsch Setup

Create New XML Interface

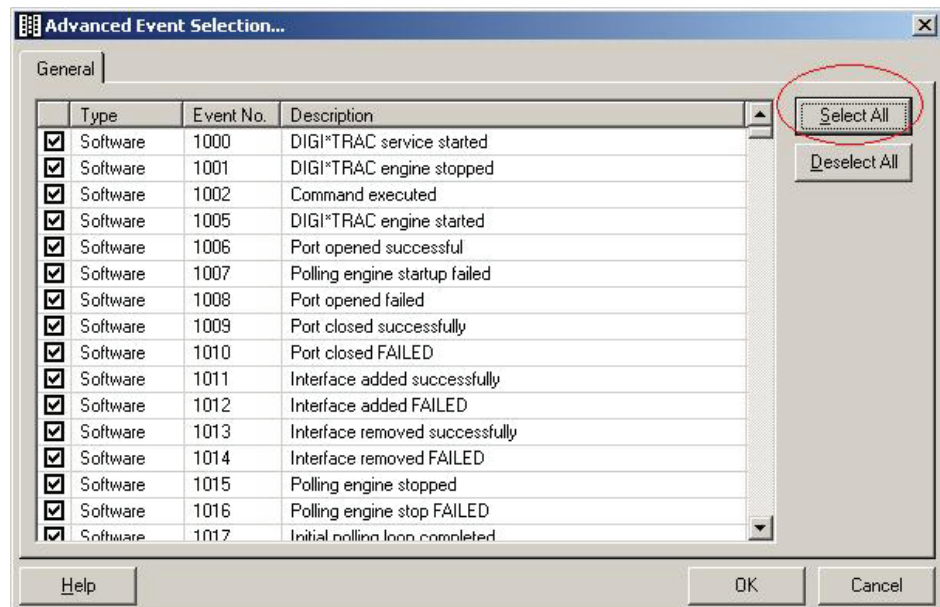
From the Velocity Administration window, add an XML interface for the Video Viewer/Service:



- Open the Interfaces Configuration – XML Writers folder.
- Open the Add New XML Writer folder.
- Name the interface (use “ViconNet” as the name of the interface) and select all the events that will be required to trigger video display. The XML properties page follows.
- Use “10001” as the port number.
- Open the firewall port to allow access to it.
- Select “Always” for the active duration time zone option.
- Check ALL the events.
- Make sure “Enabled” is checked.
- Click OK.



- Click on “Select Events” button and check all events check boxes (click Select All). Click OK.



You may choose not to select all the events and decide which ones you want to report and which not by checking the ☐

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