

VideoXpert v 3.x
Net2 Event Integration
Installation and Operations Manual



VideoXpert™

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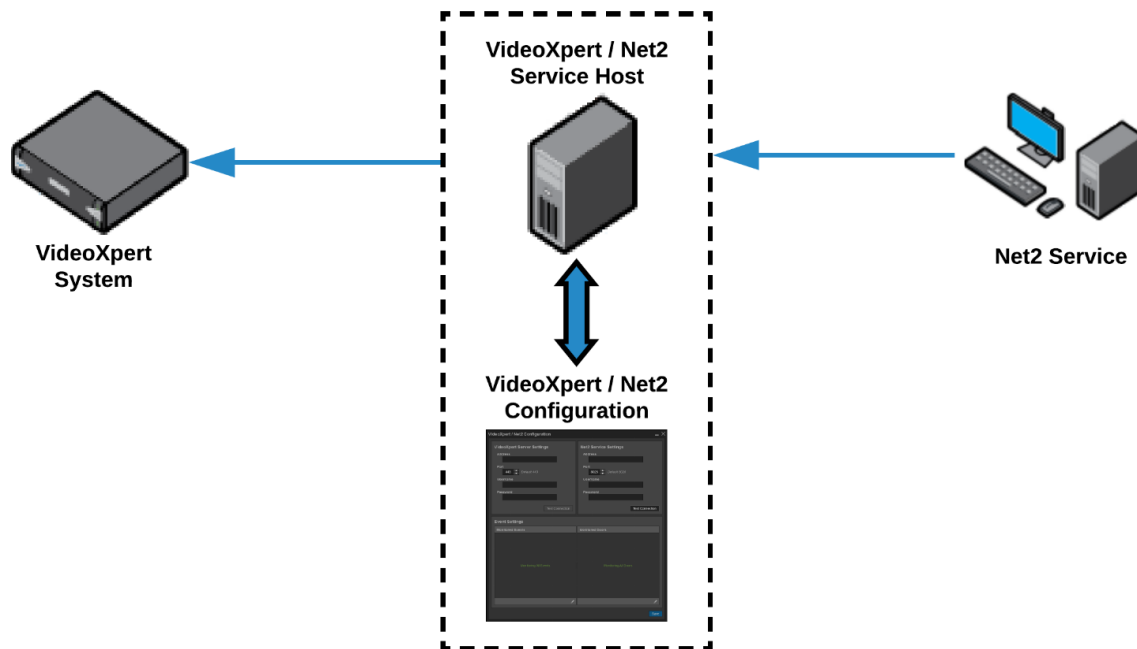
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Introduction

This document is the installation and operation manual for VideoXpert Event Integration with Net2.

System Overview



The VideoXpert-Net2 Event Service provides the ability to inject Net2 access control events to a VideoXpert system. The event service connects to a Net2 service and continuously monitors for any new events. When an event occurs, the event service will pass on the event to be managed by a VideoXpert system.

Configure the VideoXpert-Net2 Event Service using the VideoXpert / Net2 Configuration application. This application provides the ability to administer the VideoXpert-Net2 Event Service from the PC hosting the service. Using the configuration application, an administrator can manage the system connections as well as configure which doors and event types to monitor.

Installing the Software

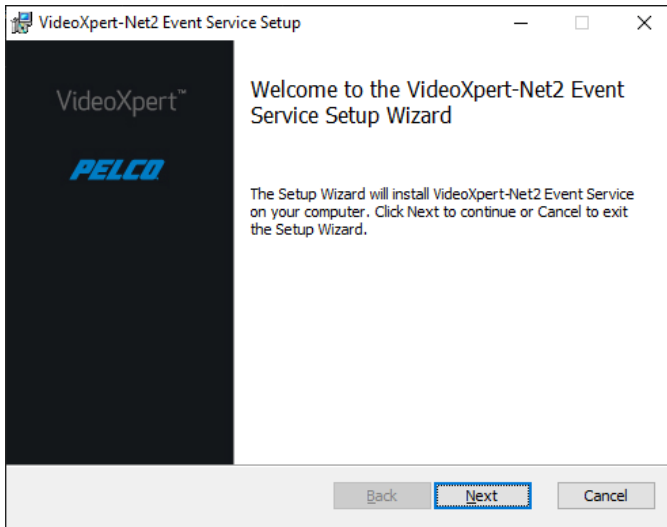
Installing Prerequisites

Prior to installation of this software, install the following:

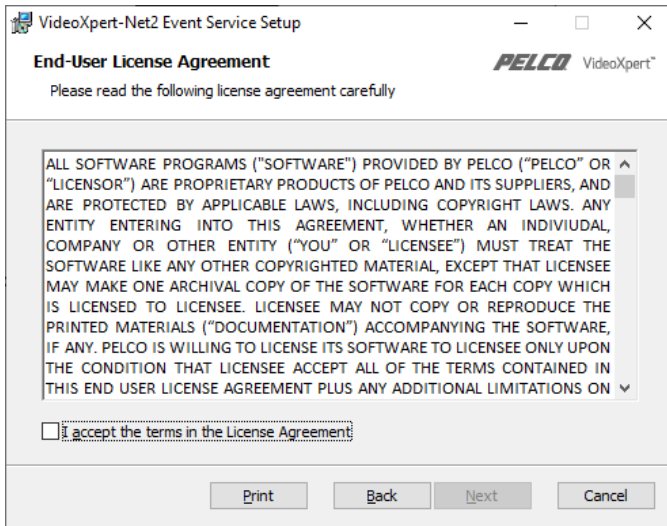
- .NET Framework 4.6.1 or later
- Microsoft Visual C++ 2015 Redistributables (x86)

Installing VideoXpert-Net2 Event Service

1. Double click the **VideoXpert-Net2 Event Service Installer-3.X.X.msi** file to start the installation.
2. Click **Next**.

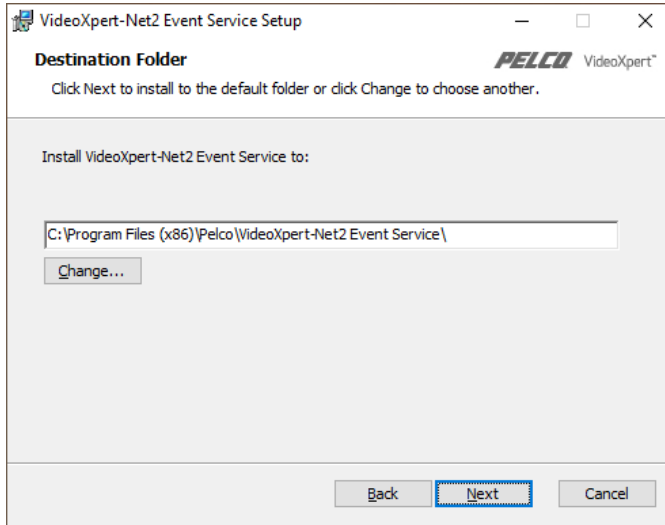


3. Click to select the checkbox to accept the terms of the End-User License Agreement, and then click **Next**.

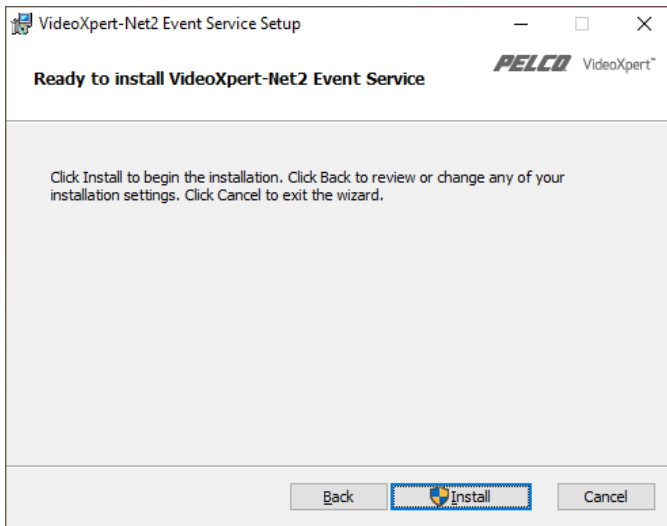


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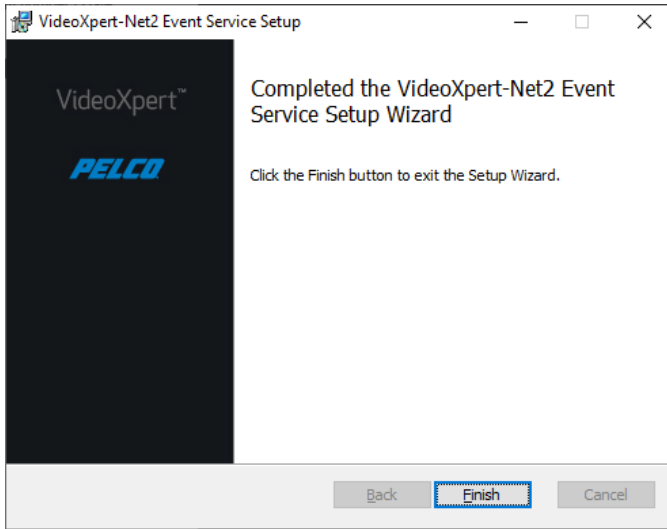
4. (Optional) To select an installation directory other than the default:
 - a. Click **Change**.
 - b. Navigate to the appropriate directory, and then click **OK**.



5. Click **Next**.
6. Click **Install**.



7. Click **Finish**.



Licensing VideoXpert-Net2 Event Service

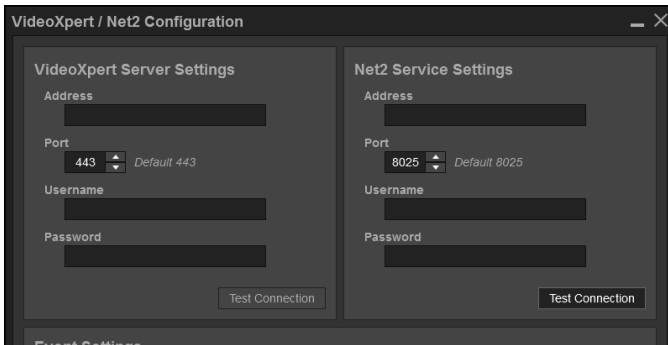
The VideoXpert-Net2 Event Service requires a license to be present on each VideoXpert system that will be added to it. If a license is not present on the system when it is added, a 90-day trial period will begin on that system. The VideoXpert-Net2 Event Service will be able to use the system normally during this period. If the system remains unlicensed when the trial period expires the VideoXpert-Net2 Event Service will no longer be able to communicate with the system until a valid license has been applied.

For assistance, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international).

Configuring and Using the Software

Configuring VideoXpert-Net2 Event Service

After installing the VideoXpert-Net2 Event Service you will need to set it up using the VideoXpert / Net2 Configuration application. This application allows you specify the connection information for the VideoXpert system and Net2 service as well as configure which event types and doors to monitor.



Configuring VideoXpert Server Settings

The *VideoXpert Server Settings* area of the configuration window allows you to enter the connection information for the VideoXpert system to which the event service will send events.

1. Launch the VideoXpert / Net2 Configuration application.
2. In the *VideoXpert Server Settings* area of the window, enter the *IP Address* of the VideoXpert system and adjust the *Port*, if it is different from the default.
3. Provide the *Username* and *Password* for the VideoXpert system.



Note: The user must be set as an Administrator on the VideoXpert system.

4. Click **Test Connection** to test if the event service is able to connect and log in to the system.
5. Click **Save** to apply the configuration settings.

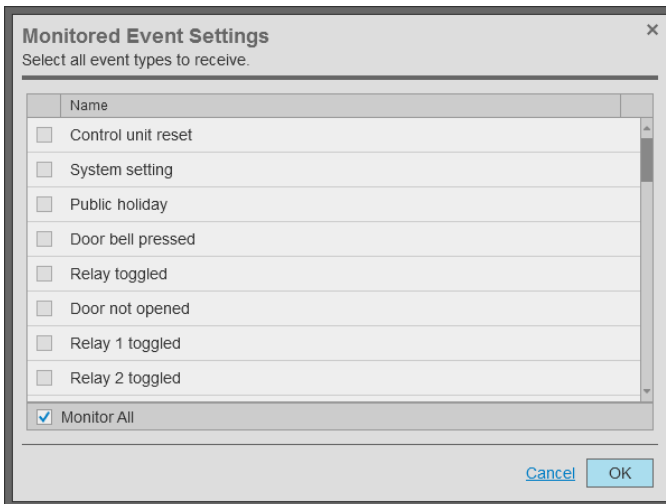
Configuring Net2 Service Settings

The *Net2 Service Settings* area of the configuration window allows you to enter the connection information for the host PC running the Net2 service. The event service will use this connection to monitor for new access control events.

1. Launch the VideoXpert / Net2 Configuration application.
2. In the *Net2 Service Settings* area of the window, enter the *IP Address* of the Net2 service and adjust the *Port* if different from the default.
3. Click **Test Connection** to test if the event service can connect and log in to the Net2 service.
4. Click **Test Connection** to test if the event service can connect and log in to the Net2 service.
5. Click **Save** to apply the configuration settings.

Managing Monitored Events

The list of monitored events determines the types of Net2 events that will be injected into the configured VideoXpert system.



1. Click in the *Monitored Events* section to open the *Monitored Event Settings* dialog.
2. To monitor all event types, check the *Monitor All* checkbox and Click **OK**.

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3. To select individual event types to monitor, click to deselect the checkbox for *Monitor All*, click to select the checkboxes for each individual event type that should be passed on to the VideoXpert system, and then click **OK**.



Note: The core access control events are always enabled by default and cannot be modified.

Managing Monitored Doors

The list of monitored doors determines which doors will be monitored for access control events to be injected into the configured VideoXpert system.

Name
<input type="checkbox"/> West Entrance
<input type="checkbox"/> Lobby Door
<input type="checkbox"/> Emergency Exit

Monitor All

Cancel OK

1. Click in the *Monitored Doors* section to open the *Monitored Door Settings* dialog.
2. To monitor all doors, click to select the *Monitor All* checkbox, and then click **OK**.
3. To select individual doors to monitor, deselect the checkbox for *Monitor All*, click to select the checkbox(es) for each individual door that should be monitored by the VideoXpert-Net2 Event Service, and then click **OK**. Only events occurring on the selected doors will be passed on to the VideoXpert system.

Net2-to-VideoXpert Event Mapping

The following is a list of the Net2 event types that can be monitored and their corresponding situation types used when events are injected into the VideoXpert system.

Table 1: Core Access Control Event Types

Net2 Event	VideoXpert Event
AccessDenied1	system/access_denied
AccessDenied2	
AccessDeniedInvalidCard	
AccessDeniedInvalidPin	
AccessDeniedInvalidCode	
AccessDeniedAnpr	
AccessDenied3	
AccessDeniedLockdownInProgress	
AccessDeniedCriticalBatteryVoltage	
DoorClosed	
AcuNotResponding	system/access_door_faulted
DoorForced	system/access_door_forced
DoorRelock	system/access_door_locked
DoorOpened1	system/access_door_opened
DoorOpened2	
DoorLeftOpen	system/access_door_propped
Net2EntryDoorUnlocked	system/access_door_unlocked
Net2EntryDoorViewedDoorUnlocked	
ValidCodeEntered	system/access_granted
ValidPinEntered1	
AccessPermitted1	
AccessPermittedCardOnly	
ValidPinEntered2	
AccessPermittedCardCode	
AccessPermittedPinOnly	
AccessPermittedCodeOnly	
AccessPermittedAnpr	
AccessPermitted2	

Table 2: Miscellaneous events

Net2 Event	VideoXpert Event
ControlUnitReset	external/paxton/control_unit_reset
SystemSetting	external/paxton/system_setting
PublicHoliday	external/paxton/public_holiday
DoorBellPressed	external/paxton/door_bell_pressed
RelayToggled	external/paxton/relay_toggled
DoorNotOpened	external/paxton/door_not_opened
Relay1Toggled	external/paxton/relay_1_toggled
Relay2Toggled	external/paxton/relay_2_toggled
TriggerAndActionRuleWasRun	external/paxton/trigger_and_action_rule_was_run
Relay2Opened	external/paxton/relay_2_opened
Relay2Closed	external/paxton/relay_2_closed
TimeAndAttendance	external/paxton/time_and_attendance
IntruderAlarm	external/paxton/intruder_alarm
FireAlarmInput	external/paxton/fire_alarm_input
Tamper	external/paxton/tamper
MainsFailed	external/paxton/mains_failed
KeypadHacker	external/paxton/keypad_hacker
DoorEnteredLockdownState	external/paxton/door_lockdown_activated
DoorExitedLockdownState	external/paxton/door_lockdown_reset
DoubleTap	external/paxton/double_tap
Net2EntryDoorNotUnlocked	external/paxton/door_not_unlocked_following_call
Net2EntryCallNotAnswered	external/paxton/call_not_answered
Net2EntryDoorViewed	external/paxton/video_viewed
Net2EntryCallMade	external/paxton/call_made
LockdownActivated	external/paxton/lockdown_activated
LockdownReset	external/paxton/lockdown_reset
AcuOnline	external/paxton/acu_online
IoBoardNotResponding	external/paxton/io_board_not_responding
IoBoardOnline	external/paxton/io_board_online

Net2 Event	VideoXpert Event
Net2AirBridgeDisconnected	external/paxton/net2_air_bridge_disconnected
Net2AirBridgeReconnected	external/paxton/net2_air_bridge_reconnected
AlarmActioned	external/paxton/alarm_actioned
UserDetails	external/paxton/user_details
Timezone	external/paxton/timezone
AccessLevel	external/paxton/access_level
Area	external/paxton/area
Antipassback	external/paxton/anti_passback
RequestDoorOpen	external/paxton/request_door_open
OpenDoorGroup	external/paxton/open_door_group
CloseDoorGroup	external/paxton/close_door_group
TriggerAndAction	external/paxton/trigger_and_action
LockdownInitiatedByUser	external/paxton/lockdown_activated_by_user
LockdownEndedByUser	external/paxton/lockdown_reset_by_user
BatteryLevelUpdated	external/paxton/battery_level_updated
Net2 Server Disconnected	external/paxton/net2_server_disconnected
Net2 Server Reconnected	external/paxton/net2_server_reconnected

Troubleshooting

Log files for the middleware are located at C:\ProgramData\Pelco\VxNet2Events.Service\Logs.

Pelco Troubleshooting Contact Information

For further assistance, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international).

Version Information

Integration Component Version

Component Name	Version	Description
VideoXpert-Net2 Event Service	3.0.0-14	

Net2 Version

Component Name	Version	Description
Net2	6.02.8927.3767	



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