Overview

ExacqVision can control and view the status of the Honeywell ADEMCO VISTA Turbo Series Control Panels. Operational controls and realtime feedback capability have been added to the exacqVision Client giving the user the ability to view and control security system through the exacqVision Client user interface.

Purpose

The purpose of this document is to provide guidance for integrating Honeywell's ADEMCO VISTA Control Panels with exacqVision.

NOTE: This document is not intended to provide guidance for the installation and configuration of the security system itself.

Requirements

Software

- exacqVision client version 8.0 (or greater)
- exacqVision server version 8.0 (or greater)
- exacqVision license: Professional or Enterprise
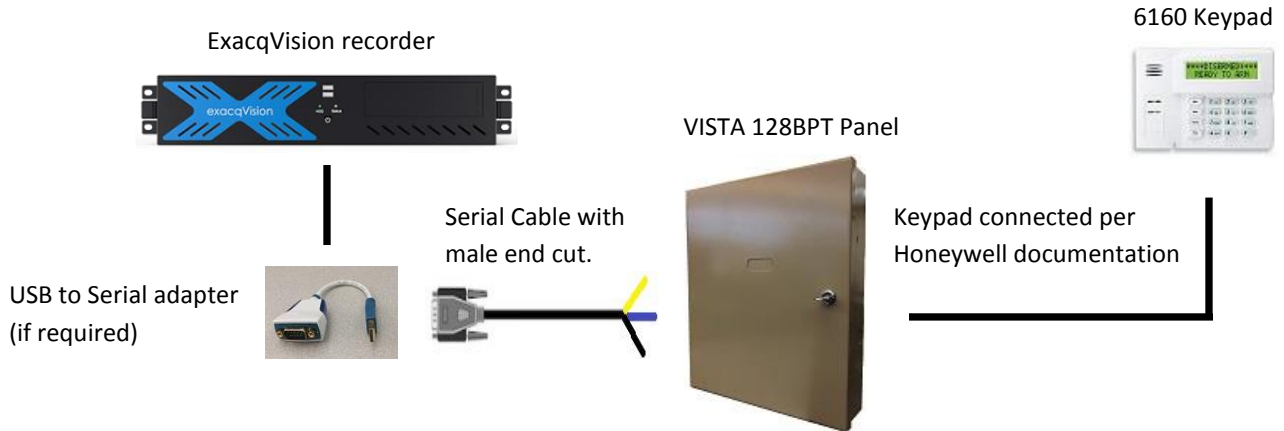
Hardware

- exacqVision recorder
- A Honeywell ADEMCO VISTA Turbo Series Control Panel based security system (model number ends with a "T")
- Honeywell ADEMCO 6160 Keypad
- A 9 pin serial cable with male end cut off (Cut end will be connected to the VISTA Panel)
- A USB to RS232 adapter may be required if the exacqVision system does not have a 9 pin serial port

Assumptions

1. The security system installation is complete or in a known working state
2. All wiring and connections that are specific to the security system have been made
3. All user are configured properly including Installer, Master and Manager

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Diagram

ExacqVision recorder

6160 Keypad

VISTA 128BPT Panel

USB to Serial adapter
(if required)

Serial Cable with
male end cut.

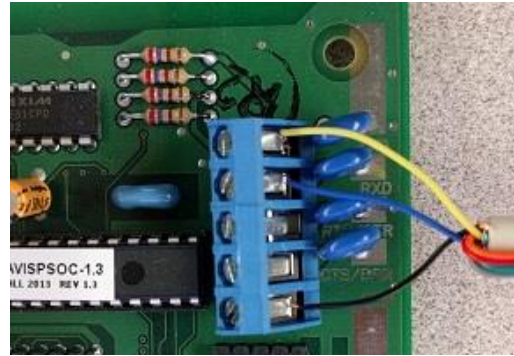Keypad connected per
Honeywell documentation

Wire Connection Procedure

To connect the serial cable to the VISTA follow these steps

1. Cut the male end of the serial cable off and strip the wires for TX, RX and Ground. In this example:
   a. Pin 2   is yellow in this example   connects to TXD at blue header
   b. Pin 3   is blue in this example   connects to RXD at blue header
   c. Pin 5   is black in this example   connects to GND at blue header
      CAUTION: wire color scheme is NOT standardized across serial cables. Please check continuity based on pin number.
2. Wrap the extra wires back and zip tie them out of the way.
3. Open the panel door and locate the blue RS232 header and connect wires as shown.

If you need to use a USB to Serial adapter, because there are no available 9 pin serial ports on the exacqVision, recorder then continue to the next section. Else, plug the serial cable into an available 9 pin port on the exacqVision recorder and skip ahead to the **exacqVision Client Configuration** section.

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USB to Serial Adapter installation

If you intend to use a USB to Serial converter then follow the steps in this section. Otherwise skip to the next section if you can plug your serial cable directly into a 9 pin serial port on the exacqVision chassis.

1. Some adapters are detected and installed automatically by the operating system after plugging them in. If yours is not, then unplug the adapter, install the drivers for the adapter and plug the adapter in again. Any USB port on the exacqVision recorder will work.
2. Restart the exacqVision recorder so that exacqVision detects the new COM port (tty in linux). Alternatively you can simply restart the exacqVision service.

VISTA 128BPT Panel Configuration

The VISTA 128BPT Panel may require some configuration. To set up the panel for integration, follow these steps using the keypad.

1. Enter installer programming mode → 4140-8000.
2. Update the following fields with the values indicated.

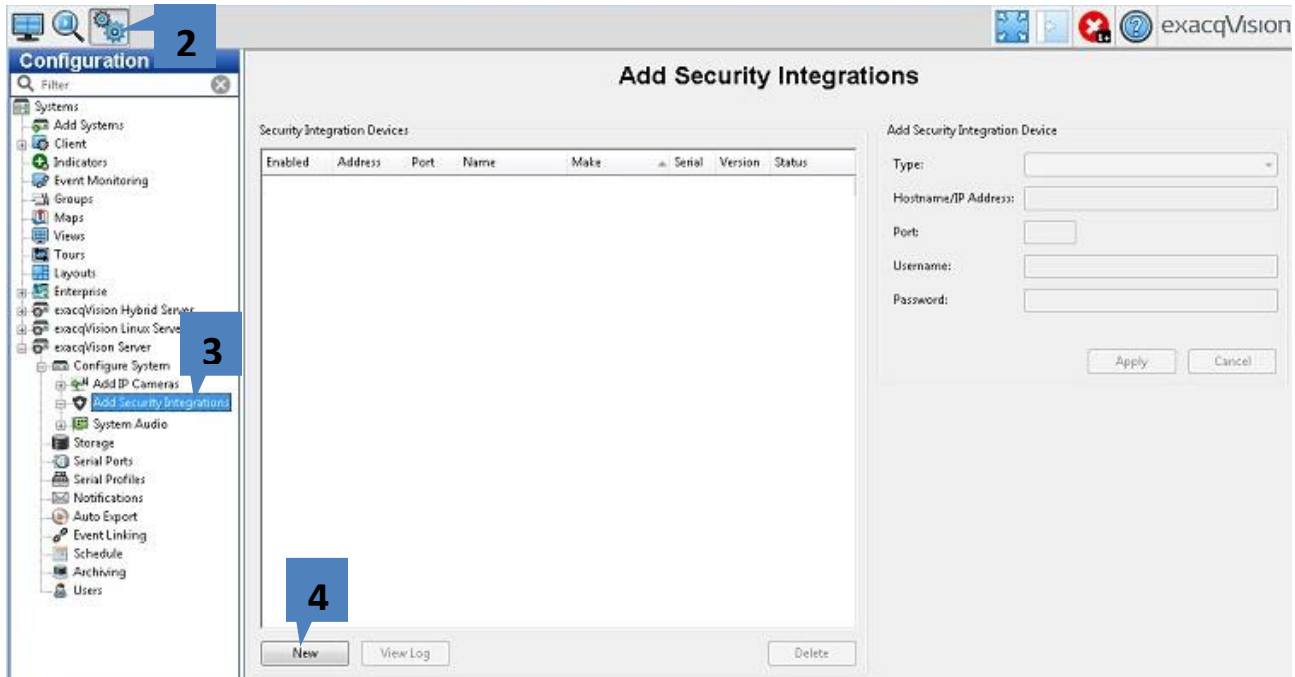| Field	Value	Description
*05	1	This enables system events to be transmitted through the RS232 interface
*14	1	This enables RS232 interface
*94		This takes you to the next "page" (Page 1) of programming fields. All subsequent fields will start with 1xx in the panel
*170	11111	Enter 1 five times. You won't see 1 5 times, but the panel will change the menu after the 5th 1.
*172	0	Disable printer text output
*178	1	Enable extended command set
*179	11111	Enter 1 five times to enable 'alarm', 'trouble', 'bypass', 'open/close' and 'system' events
*180	1	Enable zone faults and restore events on the RS232 interface
*200	8	if using more than 1 partition, make sure to set number of partitions to 8

3. Press # repeatedly to exit menus and programming mode.

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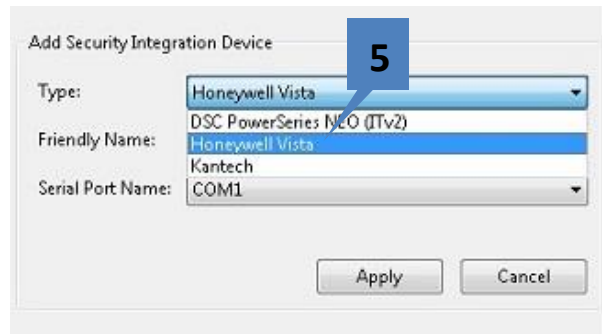9/26/2016

exacqVision Client Configuration

With the COM port (tty in linux) recognized and the serial cable connected, perform the following steps.
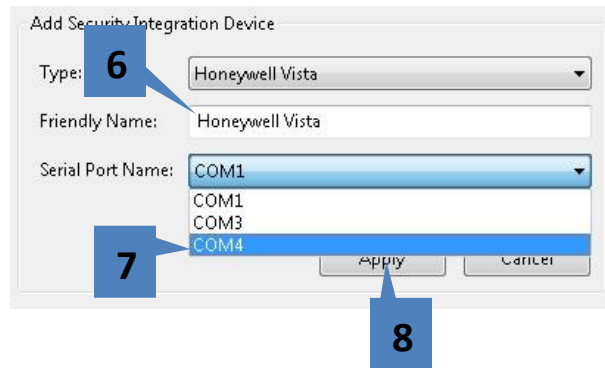
Add Security Integrations

1. Launch exacqVision Client (not shown)
2. Select **Config (Setup) Page**
3. Select **Add Security Integration**
4. Click **New**

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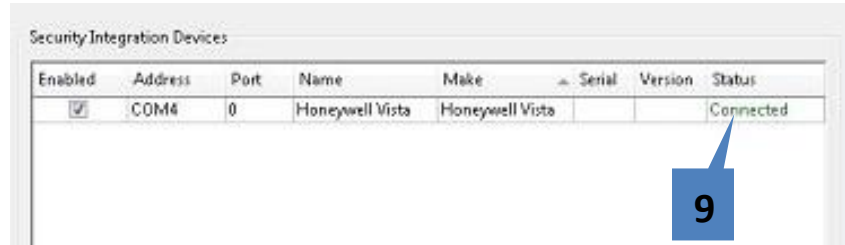Central Europe

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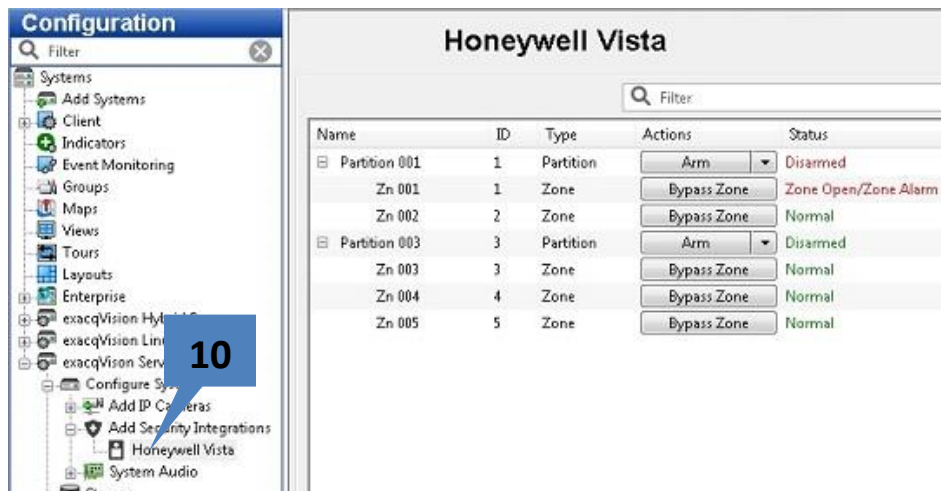9/26/2016

5. Select Honeywell Vista in the Type field

6. Enter a Friendly Name. This is the name that will appear under the Security Integration section in the configuration tree of exacqVision.
7. Select the COM port (tty for linux) associated with Serial interface.
   NOTE: Do not configure this serial port in the Serial Ports page. Exacq will automatically configure this for you as an "Internal" port as you work through the process on this page.
8. Click Apply

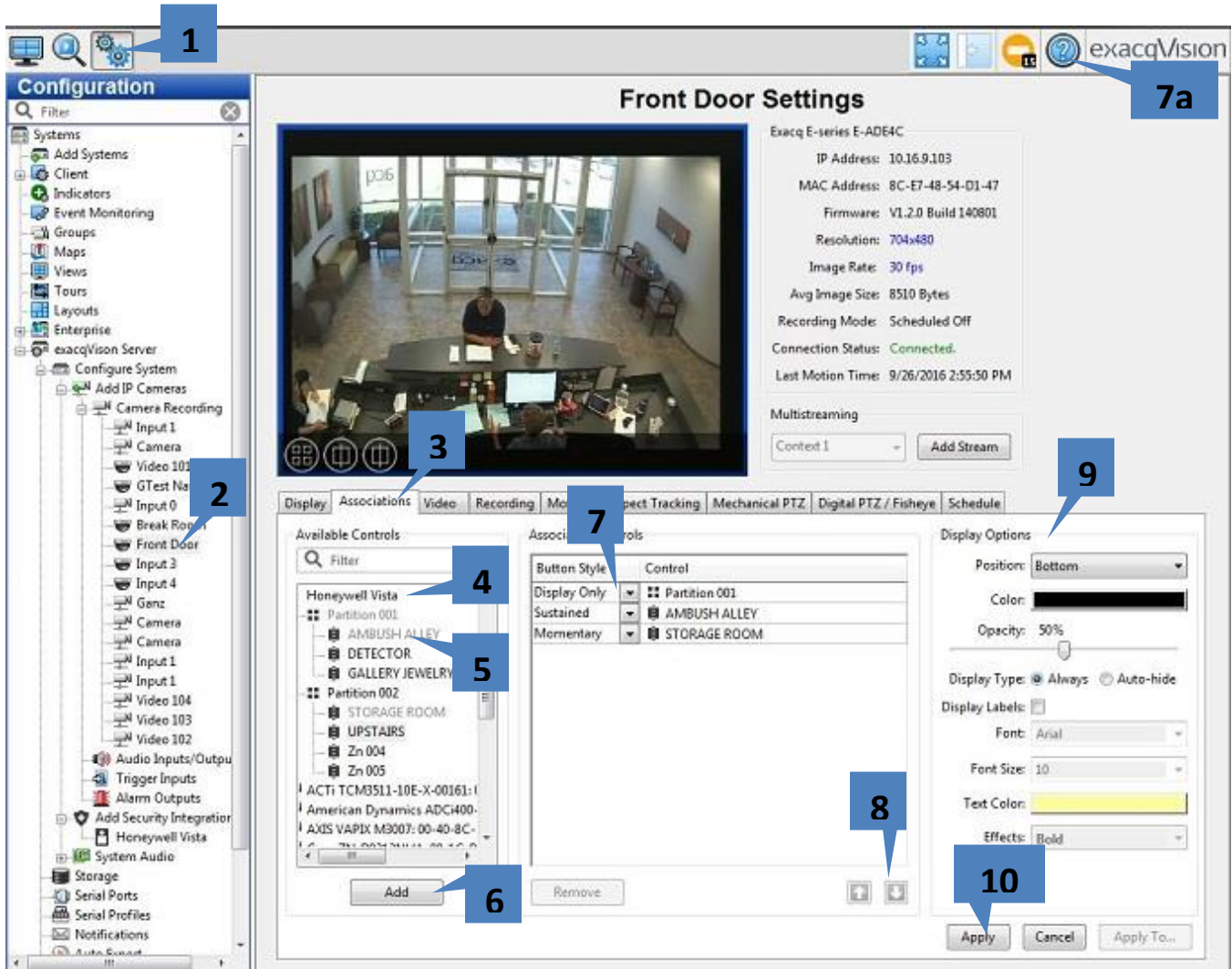9. Verify that the entry is correct and the status is "Connected"

10. Select the newly created entry under Add Security Integrations to view and control the actions available by the Honeywell system

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Camera Associations Configuration

Camera Associations are a way to quickly view and assert functions by placing icons on the camera Live View. A user can then easily see the statuses and assert controls for integrations, triggers, alarms, inputs, outputs, etc.
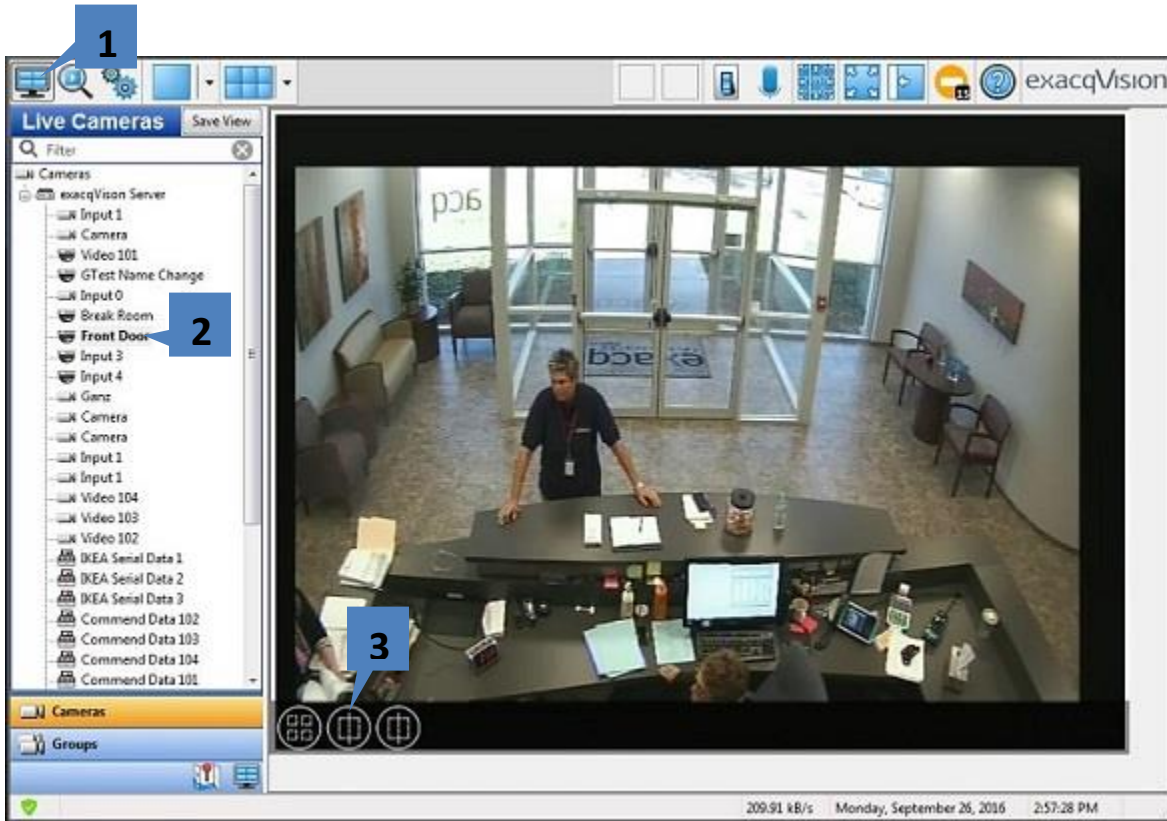

1. Select the Config(Setup) Page
2. Navigate to the camera for which you would like to set up camera associations
3. Select Associations tab
4. Navigate to the Honeywell VISTA
5. Select items in the **Available Controls** box, under the Honeywell VISTA section
6. Click the **Add** button to add one at a time
7. Choose button style, typically Display Only, Sustained or Momentary.
   a. 7a: See context based help for further information on these button types and their functions
8. Use up/down buttons to re-arrange order of controls. Topmost control will appear leftmost in live video.
9. Display Options allow you to change color, position, opacity, etc.
10. Click Apply when complete

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Live View

In Live View we can see the camera association icon overlays at the bottom left of the video pane.

1. Select Live View
2. Select the Camera that you just configured in the previous step
3. Notice the controls in the for icon overlays in the lower left corner of the video pane.
4. Cilcking on a control to assert a function will cause a login prompt to appear for authentication on the Honeywell system. Enter an authorized Honeywell user code here.
5. Check to save credentials across sessions
6. Check to save credentials for just this session
7. Click OK to perform the action

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