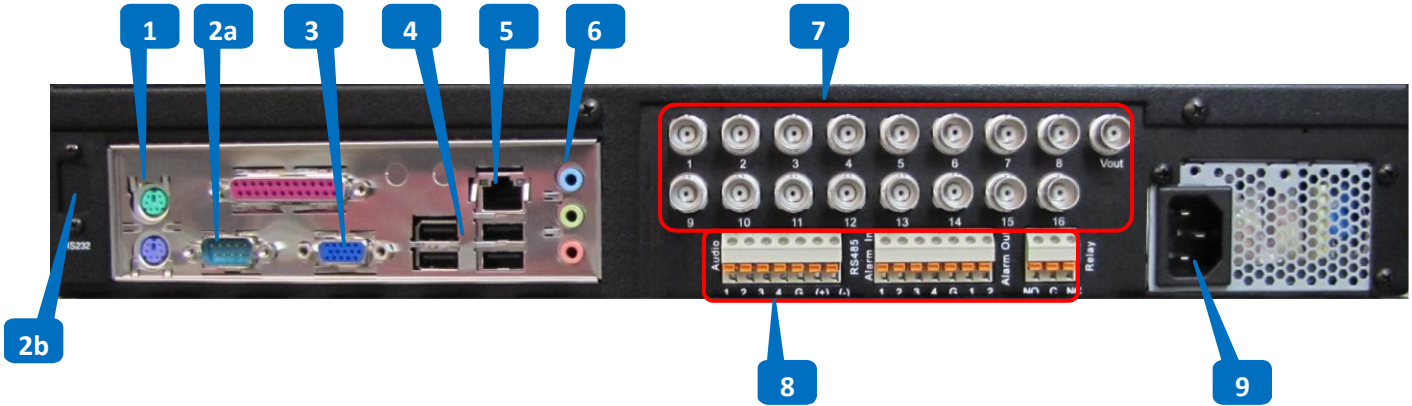


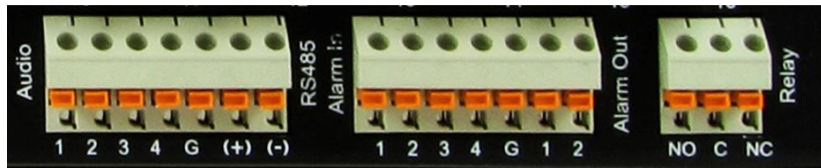
1 Connections

Main Back Panel Connections



Item #	Description	Notes
1	PS-2 Ports (x2)	Mouse and keyboard
2	RS-232 Port	POS, ATM, access control integration (location of port varies between 2a and 2b)
3	VGA Monitor	
4	USB (x4)	Linux Ubuntu 10-compatible keyboard, mouse, USB memory dHRAIce, or DVD burner
5	10/100/1000 Ethernet	
6	Audio In/out	Pink (unused), green (line IHRAel stereo audio out), blue (same)
7	Video In (16x), Video Out	
8	Auxiliary Connections	See detail below
9	Power	100-240VAC 50/60Hz

Auxiliary Connections



Audio/RS-485 Block Connections

1	Line IHRAel audio #1 in
2	Line IHRAel audio #2 in
3	Line IHRAel audio #3 in
4	Line IHRAel audio #4 in
G	Common for all inputs
(+)	RS-485 (PTZ control)
(-)	RS-485 (PTZ control)

Alarm In/Out Block Connections

1	TTL (0-5V) alarm input
2	TTL (0-5V) alarm input
3	TTL (0-5V) alarm input
4	TTL (0-5V) alarm input
G	Common for all TTL I/O
1	TTL (0-5V) alarm output
2	TTL (0-5V) alarm output

Relay Block Connections

NO	Normally open relay output #1 (24V/1A max)
C	Relay common
NC	Normally closed relay output #2 (24V/1A max)

2 Installation

Before starting the iVTVision (HRA) server, complete the following steps:

1. Mount the HRA server in a **dust-free, climate-controlled** (<70° F, <40% non-condensing) location. Dust can be ingested into the server, causing component overheating. **Elevated temperatures contribute to premature hard drive failures.**
2. Connect the HRA server to a true online UPS for maximum reliability. A true online UPS completely filters power surges and dips that can damage the server.
3. Connect the HRA server network interface cards (NIC) to the appropriate network switch ports.

NOTE: If the video surveillance system does not have a physically isolated network, it's recommended that all IP cameras and one server NIC be connected to a dedicated camera VLAN. The camera manufacturer's software should be installed on a PC in this subnet to allow for IP camera configuration and addressing, or else the router should be configured to allow a client computer to communicate with the camera subnet. This VLAN configuration reduces the likelihood of network traffic conflicts and unauthorized access to the cameras. **Once the IP camera configuration is completed, remove the camera manufacturer's software from the subnet to prevent it from communicating with the IP cameras.**

4. Connect a keyboard, monitor, and mouse to the server.
5. Connect analog cameras, PTZ serial cables, or alarm I/O as shown in the "Connections" section of this document. Note that connections vary by model.
6. Using the camera manufacturer's software, configure the IP address for all cameras. Record this information for future reference. It's recommended that you do not change the username and passwords until after HRA server connectivity is established.

NOTE: For additional information, see the camera manufacturer's website or the iVTVision IP Camera Quick Start Guide at <http://www.inaxsys.com/en/support/downloads/manuals-specifications.html>. The Quick Start Guide can also be found in the Quickstarts directory on the CD that shipped with your system.

To determine whether a particular camera model/firmware combination is compatible with HRA servers, visit the camera integration at <http://www.inaxsys.com/en/support/ip-cameras-integration.html>.

7. Test connectivity from the cameras to the server:
 - a. Log out of the operating system user account and log in to the administrator account. (The default ADMIN username/password is **admin/admin256**).
 - b. On Internet Explorer (Windows) or Firefox (Linux), enter the camera IP address in the address bar and press Enter. If the browser displays an introductory or log-in screen, connectivity is confirmed. Repeat for all cameras.

3 Establish Initial Communications

After installing the server, complete the following steps:

1. Using a directly connected keyboard, monitor and mouse, configure the server's networking connections:
 - a. After the iVTVision HRA Client software automatically starts on the server, expand the server device in the tree. Select System Setup and then the Network tab.
 - b. For servers with multiple interfaces, select the appropriate NIC port from the drop-down menu at the top of the page:
 - i. If the server is installed on a network using static IP addressing (recommended), select Static, enter the appropriate settings, and click Apply.
 - ii. If the server is installed on a network using DHCP (not recommended), select Dynamic and click Apply. After a brief delay, all four parameter boxes should auto-fill with valid network settings. If not, contact your network administrator for resolution.
 - c. Repeat this step for any additional network ports.
2. If the server will be configured through a remote HRA client (recommended!) instead of the server, install the client software:
 - a. Download the latest iVTVision HRA Client software from the Inaxsys website at http://www.inaxsys.com/protected.php?fichier=/media/protected/ivt_software/IVTVisionClient.exe
 - b. Install the client software on a system administrator computer.

NOTE: It is recommended that you do not run the iVTVision HRA Client software directly on an HRA system. The system requires that resources constantly be available for archiving, configuration, and search functions.
 - c. Confirm connectivity with the server using the ping command and server IP address. If the client PC cannot communicate with the server, contact the network administrator.
3. If a remote iVTVision HRA client is being used, add the server into the iVTVision HRA Client configuration:
 - a. On the system administrator PC, start the HRA Client software.
 - b. Select the Config (Setup) page button.
 - c. In the system tree, select Add System.
 - d. Click New and enter the username **admin**, password **admin256**, and IP address (static) or hostname (fixed) configured in previous steps.
 - e. Click Apply.
 - i. If the new server appears in the system list table with a status of Connected, the initial server configuration is complete.
 - ii. If the server does NOT connect, but server connectivity was confirmed in previous steps, confirm the PC anti-virus software is not blocking communications with the server IP addresses and ports.
4. Proceed to the software configuration steps found in the software user manual. The manual can be downloaded from the Inaxsys website at <http://www.inaxsys.com/en/support/downloads/manuals-specifications.html>

