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# ViconNet Nucleus Installation & Configuration Guide

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## General

This manual provides information for installing the ViconNet standalone Nucleus preinstalled on a PC. It is available as a rack-mount unit, VNUC-PCV8-RK, but will also be available as a tower if required, VNUC-PCV8. The term VNUC-PCV8 is used in this manual to refer to both units unless specifically stated otherwise.

This manual focuses installing this Nucleus unit in a ViconNet system. Refer to the ViconNet software manual for details on setting up ViconNet. The Nucleus software, VNUC-SWV8, is available and can be installed on a PC that meets the minimum requirements. Refer to current datasheet.

Refer to our website, [www.vicon-security.com](http://www.vicon-security.com), for the latest version of this manual.

## Hardware Installation

This system should only be installed by a qualified technician using common hand tools and approved materials in accordance with the National Electrical Code ANSI/NFPA 70, state and local wiring codes.

The rack-mount model, VNUC-PCV8-RK is a 1 RU unit; the VNUC-PCV8 is a ITX mini chassis (desk-top unit). These units meet requirements for an FCC Class A computing device and CE

Vicon requires the use of line conditioners, voltage regulators and uninterruptible power supply (UPS) systems in the electrical power service.

### Note

Read all instructions before beginning the installation.

## Accessory Kit

The provided accessory kit contains necessary items needed to install and wire the unit during installation:

**Table 1: Accessory Kit**

Part	Description
CD and Manuals	Provides documentation and software (including current drivers)
Front Door Key	Opens the front panel door
Power Cord	Used for power connection
Rail Bracket Kit	For rack mounting the VNUC-PCV8-RK

## Unpacking and Inspection

All Vicon equipment is tested and inspected before leaving the factory. It is the carrier's responsibility to provide suitable delivery.

Inspect the cartons upon delivery and, if damage is present, make detailed notes on the carrier's bill. Then, obtain the carrier agent's signature and file a damage claim as soon as possible.

Open the cartons and inspect the equipment for damage. Save the cartons and packing material. If damage is present, contact the carrier and file a damage claim immediately. If the equipment must be returned for repair, follow the *Shipping Instructions* at the end of this manual.

## Unpacking the Unit

Carefully open the carton. Remove the accessory kit and the VNUC-PCV8-RK from the box and place them on a large, flat working surface. Open the accessory kit and verify the contents against the list in Table 1.

## Required Items for Installation

To properly install the VNUC-PCV8 there must be simple hand tools available such as a screwdriver, wrenches, pliers and wire cutters/strippers. To setup for operation there must be a keyboard and a mouse available to operate the GUI.

## Unit Components

This section describes the VNUC-PCV8-RK front and rear panels.

### Note

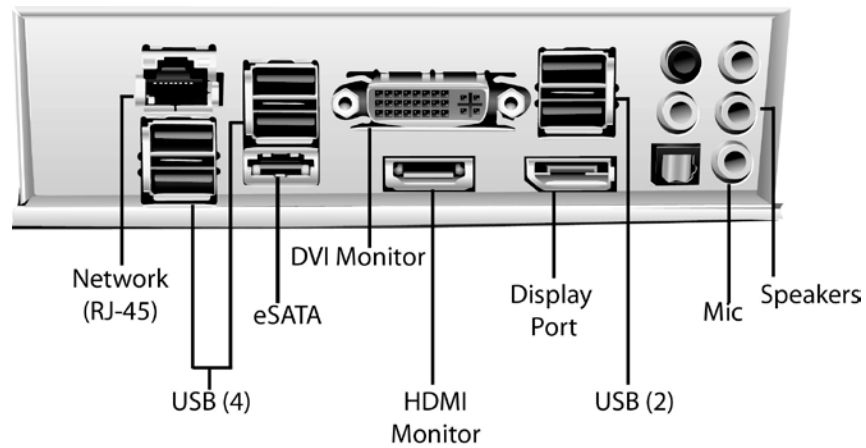
Ports may vary subject to variations in hardware, but will be similar in function.

### Front Panel Controls and Connections



- **Power Switch:** Used to power on the unit.
- **Power LED Indicator:** Blue LED used to display the power status (ON means unit on and OFF means unit off).
- **DVD Drive:** Used as a high-capacity removable data drive.
- **LED Viewing Holes:** Used to view the status of the LEDs without opening the front door.
- **Front Door:** Used to protect the front panel from unauthorized use.
- **Keyed Lock:** Used with the provided key to lock the front door.
- **HDD LED:** Red LED, blinks when disk is in use.
- **USB Ports:** Used for optional devices.

## Rear Panel Controls and Connections



- **Audio – Mic In/Speaker Output:** Jacks used for audio input and output.
- **Power Receptacle:** Used to connect the provided power cable.
- **Keyboard Port:** USB connector used to connect a standard PC keyboard.
- **Mouse Port:** USB connector used to connect a mouse.
- **USB Connectors:** Used for optional devices.
- **Network Port:** RJ-45 connectors; use to connect to a LAN/WAN (100/1000 Base T).
- **Monitor:** DVI and HDMI connectors provided. Display Port also available.
- **External Storage:** eSATA connector.
- **Display Port:** For monitors supporting the Display Port interface.

## Mounting

There are two types of mounting, depending on the model, either ITX mini chassis desktop or in a rack.

### Desktop

The desk or table must provide a surface of suitable strength for the unit's weight. In addition, there must be area left around the cabinet to provide suitable airflow for cooling. Do not place heavy items on the cover.

### Rack

The rack-mount model is designed to be mounted in a standard 19-inch (483 mm) wide vertical rack. A rail bracket kit is included to provide extra support for the unit when it is installed into the rack.

There are two adjustable rail brackets (right and left) provided. Adjust the length of the brackets so they can be secured to the front (1 screw) and rear (2 screws) on each side of the rack cage with hardware appropriate for the rack.

Slide the Nucleus into the rack on the brackets and secure with two screws on each side through the rack-mounting ears.

#### Note

It is recommended that at least 1 RU of space [1.75 in. (44.45 mm)] be left in between multiple units mounted in the same rack for cooling purposes.

#### ▲Warning

Failure to leave space for cooling between recorders may result in malfunctioning and possible failure of the unit.



## Installing the VNUC-PCV8

After the unit is mounted permanently, follow the steps in this section to install the hardware.

- **Step 1: Connecting the Hardware**, below
- **Step 2: Connecting the Power Supply**

### Important Notes

The connection of external hardware may require simple hand tools. Do not apply power or plug-in the unit to any outlet until instructed to do so.

Disable the AC power to prevent installer injury and damage to the unit.

Before beginning the hardware installation, ensure that the following environmental conditions have been met:

- The surface on which the **ViconNet** hardware is to be placed must be level.
- The room or area designated for the **ViconNet** hardware installation must be well ventilated.

### Step 1: Connecting the Hardware

This procedure describes the various hardware connections that must be performed in order to operate the system.

1. Perform the following connections: (refer to Front and Rear Panel diagrams).
  - 1.1 Locate the keyboard on a flat surface near the unit. Connect the keyboard by inserting its connector into the correct port.
  - 1.2 Locate the mouse on a flat surface near the unit. Connect the mouse by inserting its connector into the correct port.
  - 1.3 Position the monitor in a permanent fixed location near the unit. Connect the monitor by inserting its DVI or HDMI connector into the DVI Monitor or HDMI port (a DVI-VGA adapter can be used if required).
  - 1.4 Insert one side of a standard LAN cable to the Network Port's RJ-45 connector. Insert the other RJ-45 connector into the LAN side of the network.
  - 1.5 Connect external hardware devices to the relevant terminal.
  - 1.6 Insert the provided 120 VAC power cable into the unit's power receptacle. Do not connect the remaining end to a power receptacle until instructed. If using 230 VAC power, it is necessary to obtain a suitable power cord for use. This cable is a standard computer 230 VAC power cord.
2. Connect the monitor to the power source and power on.

## Step 2: Connecting the Power Supply

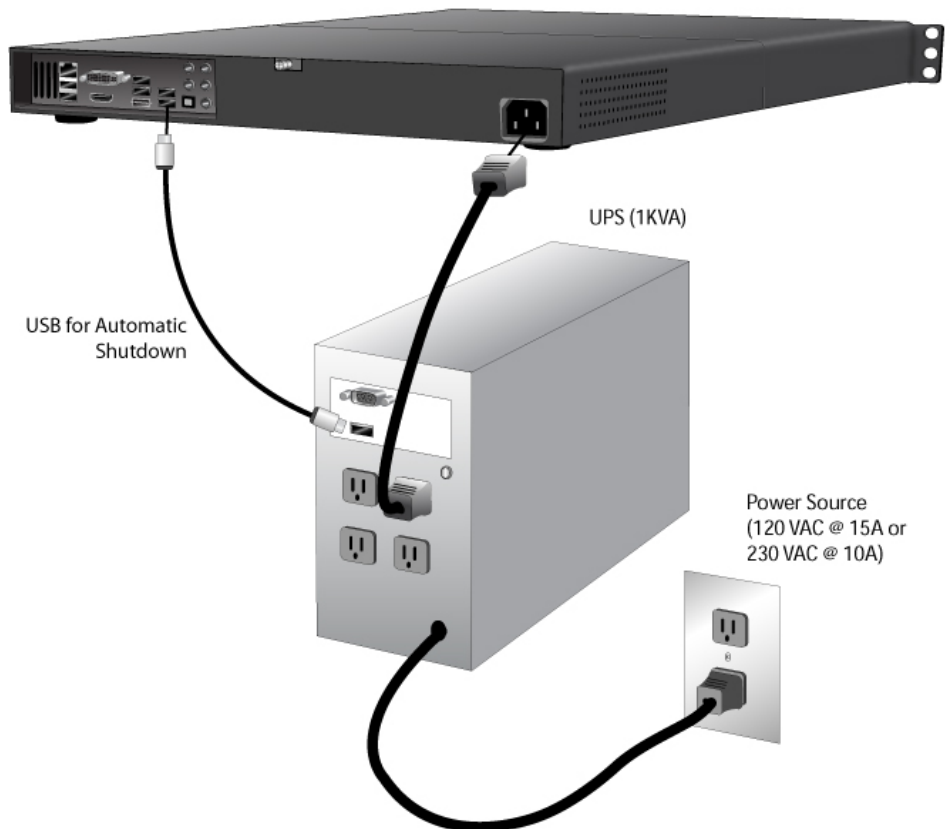
To ensure that the unit is protected during a power failure and that no important data is lost, it must be connected to an uninterruptible power source (UPS) before use.

### To connect the UPS:

1. Connect the power cord to the UPS power receptacle.
2. Connect the UPS power cord to the wall outlet.
3. Power on the UPS and ensure that it is working properly.

### Note

Refer to your UPS device's User Manual for a more detailed explanation of how to connect it properly.



# Operation

## Powering On the Unit

### To power on the system:

With the unit set up as shown in *Installation*, open the front panel cabinet and press the front panel pushbutton Power Switch. The button does not lock into position; it remains in the out position, which is its default position, even when the system is running.

### Important

Do not press any keyboard buttons at this time.

When the unit completes booting, the Main Screen is displayed.

## Powering Off the Unit

### To power off the system:

With the unit booted and operational, press the **Shutdown** button in the *Site Setup* window. Follow the screen prompts and the system returns to the ViconNet desktop. Use the **Start** button to completely shut down the system.

### **OR (this is not recommended, due to the possibility of data loss)**


Momentarily press the power switch. The system switches off, component by component.

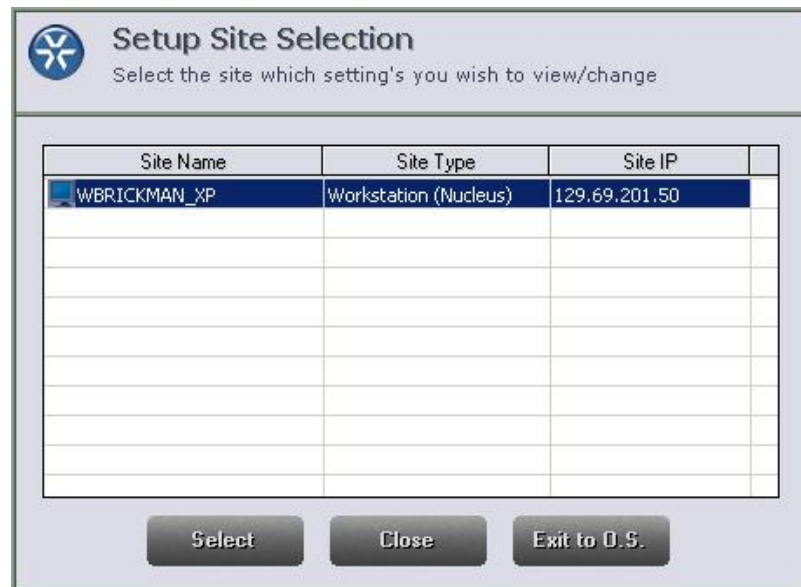
## Using ViconNet

### Accessing the Configuration Functions

The configuration functions are performed via the *System Settings* window applicable to a selected site. This unit will be configured to be the Nucleus of the system.

#### To access the *System Settings* window:

1. From the ViconNet *Main* window, click . The *Setup Site Selection* window is displayed, showing a list of all currently connected transmitters and Workstations:

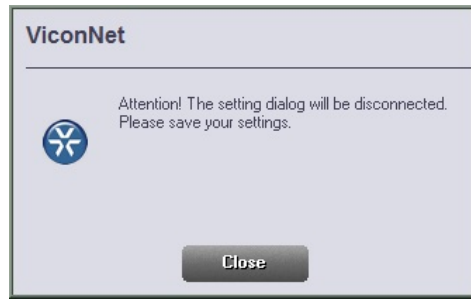


The local site always appears at the top of the list. The Nucleus site is listed second, displayed as **(Nucleus)**, unless the local site is the Nucleus, as in the case shown.

The **Exit to O.S.** button enables you to exit to the Operating System and to close the ViconNet application.

#### Note

There is a limit to the amount of time you can leave the setup screen open without working in it. Therefore it is important to save your settings each time you make a change. Before ViconNet will shutdown in this situation, the following warning screen will display.

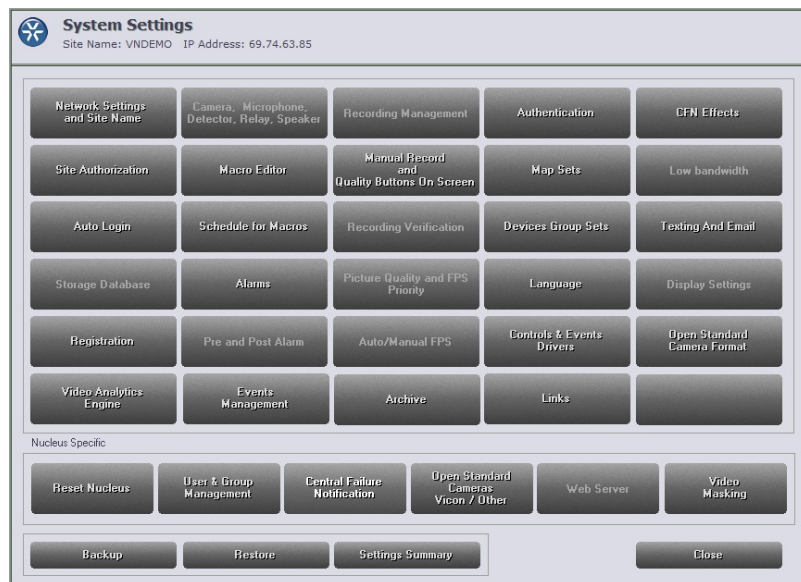


2. Select the site for which you want to configure the network setup and click **Select**. The System Settings window is displayed.

### Note

The VNUC-PCV8 can configure all sites in the network.

The *System Settings* window has the following options:



When the function is not supported, the associated button is disabled (grayed out). For example, the VNUC-PCV8 does not support:

- Pre- and Post-Alarm
- Auto/Manual FPS
- Camera, Microphone, Detector, Relay, Speaker
- Auto Record
- Picture Quality and FPS Priority
- Low Bandwidth
- Manual Record and Quality Buttons on Screen
- Record and Record and Display on the Macro Editor

**Note**

The **Site Name** and **Site IP** information are displayed automatically on this and subsequent windows.

## Registration

The VNUC-PCV7 is delivered fully registered.

**Note**

If your system includes third party camera(s), they need a license (VN-CAM-LIC) and to be registered. Third party cameras only need to be registered once in the Nucleus for the entire system.

## Modifying the System Configuration

The ViconNet system default configuration can be modified, depending on your requirements, as described in the following sections. This site will be configured as the Nucleus.

### Configuring the Network Setup

The network setup parameters are configured individually for each device in the system, using the ViconNet application installed on each device. When setting up a network, this unit is assigned as a *Nucleus* and the other devices in the network must point to it. Each device (either a transmitter or a Workstation) has the option to input the Nucleus IP address.

Devices that share the network can connect to the same Nucleus and form a system, which enables them to connect to each other. This includes the ability to synchronize multiple devices with the Nucleus time or update all the time settings to another time zone.

To configure the network setup, you must specify both the master Nucleus IP on all devices and may choose to specify the backup Nucleus IP addresses on the device running the master Nucleus. The backup Nucleus setup is configured only on the master Nucleus device. Refer to instruction manual XX231 for details on configuring the backup Nucleus.

**Notes**

If the Nucleus fails, any device that uses that master Nucleus will automatically shift to local operation mode. This means that it will use the latest Nucleus configuration from before losing the Nucleus and will keep operating without a Nucleus.

The Nucleus and backup Nucleus must have fixed IP addresses. DHCP cannot be used on the site running the Nucleus

## Configuring the Nucleus

The Nucleus takes an active role in the ViconNet system, acting as a central station that connects all devices running the ViconNet application. This is why the ViconNet system is designed in a way that will allow it full operation even if the Nucleus is down. The information on the Nucleus is always sent to all devices (after any update), so in a case where the Nucleus fails, they can use that data to operate until the Nucleus is restored. In such cases, only “new” actions that require the Nucleus, will not work (like adding a new site).

The more devices connected to the system, the more resources the Nucleus requires. The device holding the backup Nucleus files, which runs at all times, can also be configured as a safety mechanism for cases when the system does not operate due to a problem, such as a power failure in the Nucleus. When there is a failure on the Nucleus device, all systems that were connected to the Nucleus will display as “not connected.”

### Notes

It is not recommended to use a Nucleus with a lower ViconNet version than the devices on the same network.

For most ViconNet systems, it is strongly recommended that the Nucleus be run on a dedicated unit. In a large network (more than five sites), it is required that the Nucleus and backup Nucleus be run on a dedicated unit.

## Creating a New Network

This procedure provides a five-step example of how to create a new ViconNet network using a field-proven method of setup and commissioning. In this example, we will create a network made up of a number of sites.

- **Step 1: Setting the Site’s IP Address**
- **Step 2: Configuring the Network Setup as a Master Nucleus System**
- **Step 3: Configuring a Site to Connect to Nucleus**
- **Step 4: Connecting the Master Nucleus to the Backup Nucleus**
- **Step 5: Testing the Network**

### Notes




To prevent problems, it is recommended that you methodically plan your network ahead of time.

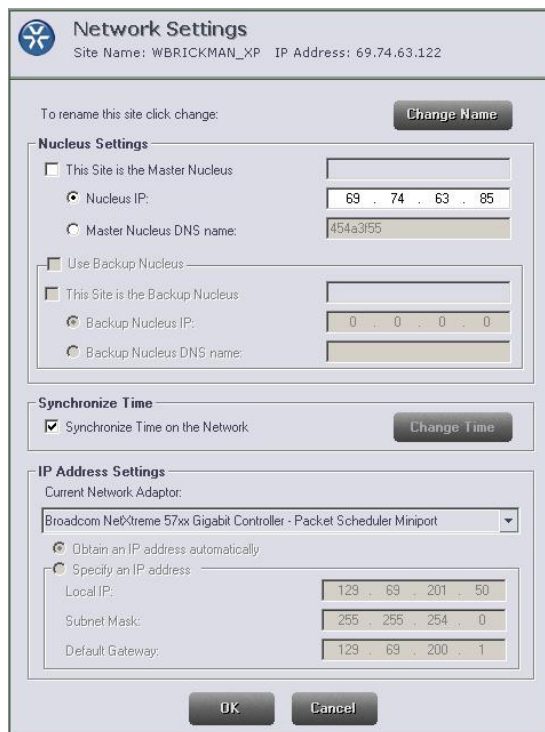
Do not use this procedure to modify an already existing network.



Before beginning, ensure that all CAT5 cables to the transmitters and Workstations are connected to a hub or switch and that they are properly wired on each end, per 568B (or 568A). It is important to **not** mix connection methods or connect or disconnect cables when the application is running.

## Step 1: Setting the Site's IP Address

In this step, you will configure the IP address of this site in the network.

1. Go to the site whose IP address you want to set. Then, from the ViconNet *Main* window, click . The *Setup Site Selection* window is displayed, showing a list of all currently connected transmitters and Workstations.
2. Select the site name for which you want to configure the network setup and click . The *System Settings* window is displayed, as previously shown.
3. Click . The *Network Settings* window is displayed.




4. You can change the device's name, if required, by clicking  to open the *Change Name* window. After you have assigned a new name to the site, click . The system will reboot.
5. (Optional) To manually synchronize the local device time with all sites connected to it (the Nucleus), select the **Synchronize Time on the Network** option (default=checked).

### Note

The system also automatically synchronizes the time every one minute.



6. (Optional) To synchronize the time with your local time settings, click  and update the time in the displayed *Date/Time Properties* window. This is useful if you move from one time zone to another.
7. In the **IP Address Settings** area, select the **Specify an IP address** radio button and set the **Local IP** address and the **Subnet Mask**.


#### Note

The option **Obtain an IP address automatically**, in the **IP Address Settings** area, is only available for a DHCP server and should not be selected for the Nucleus.

8. Click . The application will reboot.


## Step 2: Configuring the Network Setup for a Master Nucleus System

The ViconNet system enables you to configure this Workstation to function as the master Nucleus in the system.

1. Follow the steps in *Registering your System* to register your application and ensure that the words **WS FULL VERSION** appear in the **Current License Usage** area of the *Registration* window.
2. Go to the site you want as the master Nucleus and follow steps 1 through 3 in *Step 1: Setting the Site's IP Address*.
3. In the **Nucleus Settings** area, select the **This Site is the Master Nucleus** checkbox to indicate to the system that this device is running the ViconNet master Nucleus. When you select this option, the following occurs:
  - The local IP address and DNS are displayed automatically in the **Nucleus IP** and **Master Nucleus DNS** name fields.
  - The **This Site is the Backup Nucleus** option is disabled.
4. In the **IP Address Settings** area, select the **Specify an IP address** radio button and set the **Local IP** address and the **Subnet Mask**.
5. Click . The application will reboot.


### Step 3: Configuring a Site to Connect to Nucleus

Follow the procedure below to connect a site to the Nucleus.

1. Go to the site you want to setup and follow steps 1 through 3 in *Step 1: Setting the Site's IP Address*.
2. In the **Nucleus Settings** area, deselect the **This Site is the Master Nucleus** checkbox.
3. In the **Nucleus Settings** area, select the **Nucleus IP** radio button and enter the IP address.
4. Click . The application will reboot and the Nucleus name will appear in the top-left corner of the application, for example, **Nucleus: Workstation-1**.
5. Repeat this procedure for each site in the network.

### Step 4: Connecting the Master Nucleus to the Backup Nucleus - optional

Follow the procedure below to setup a backup Nucleus and connect the backup Nucleus to the master Nucleus.

1. Go to the site that you setup as the Nucleus in Step 1. In the **Nucleus Settings** area, select the **Backup Nucleus IP** radio button and enter the IP address of the backup Nucleus. By default, **0.0.0.0** is displayed as the backup Nucleus IP.
2. Click . The application will reboot.
3. Repeat step 1. The name of the backup Nucleus should be grayed out so that you cannot change it.


#### Note

If the Nucleus goes down, any device that uses that master Nucleus will automatically shift to local operation mode. This means that it will use the latest Nucleus configuration from before losing the Nucleus and will keep operating without a Nucleus.

## Step 5: Testing the Network

In this final step, you will carry out a number of operational tests to ensure that the network has been setup properly.

1. In the *Main* window, ensure that all sites appear in the **Site List** when they come online and that you can select a camera from each site by clicking on it.

2. From the *Main* window, click . The *Setup Site Selection* window is displayed, showing a list of all currently connected transmitters and Workstations:



3. Ensure that the **Site Type** column displays the following:

- **Kollektor** for all Kollektor types
- **Workstation**
- **IP-Camera-xx**
- **Offline**

If the **Site Type** column displays the word **Other**, it means that the application is not communicating correctly with that site. This can occur if the network connection is broken between that site and then reconnected (for example, due to an unplugged network cable) or because of some other network interruption. To correct this problem, go directly to that site, exit to the operating system and then restart the application.

4. Go to the site handling the master Nucleus and drag a camera from the **Site List** to check if video can be seen from a site on the Nucleus.
5. Go to the site and playback a camera. The site should appear in the **Site List**.
6. Log in to each of the sites in the list and playback a camera.

## Shipping Instructions

Use the following procedure when returning a unit to the factory:

1. Call or write Vicon for a Return Authorization (R.A.) at one of the locations listed below. Record the name of the Vicon employee who issued the R.A.  
Vicon Industries Inc.  
135 Fell Court  
Hauppauge, NY 11788  
Phone: 631-952-2288; Toll-Free: 1-800-645-9116; Fax: 631-951-2288

For service or returns from countries in Europe, contact:

Vicon Europe Ltd.  
Brunel Way  
Fareham, PO15 5TX  
United Kingdom  
Phone: +44 (0) 1489/566300; Fax: +44 (0) 1489/566322

2. Attach a sheet of paper to the unit with the following information:
  - Name and address of the company returning the unit
  - Name of the Vicon employee who issued the R.A.
  - R. A. number
  - Brief description of the installation
  - Complete description of the problem and circumstances under which it occurs
  - Unit's original date of purchase, if still under warranty
3. Pack the unit carefully. Use the original shipping carton or its equivalent for maximum protection.
4. Mark the R.A. number on the outside of the carton on the shipping label.

## Technical Information

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### Electrical Characteristics

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<b>Input Voltage</b>	115 - 230 VAC $\pm$ 10%, 50/60 Hz nominal. <b>NOTE:</b> Vicon requires the use of uninterruptible power supply systems (UPS) to prevent voltage fluctuations that can affect operation and cause damage to the equipment. Failure to comply with this violates the unit warranty.
<b>Current</b>	115 VAC/230 VAC: 0.6 A/0.3 A
<b>Power Consumption</b>	69 W nominal
<b>UPS Requirements</b>	<ul style="list-style-type: none"> <li>• Capacity: 1000 VA/600 W</li> <li>• Input:             <ul style="list-style-type: none"> <li>• Voltage: 100 - 230 VAC</li> <li>• Voltage Range: <math>\pm</math>10%</li> <li>• Frequency: 47 – 63 Hz (auto detection)</li> </ul> </li> </ul>
<b>Heat Equivalent</b>	242 btu/hr <b>NOTE:</b> These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of the heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.
<b>System</b>	CPU: Intel Core i5 RAM: DDR3 4 GB Onboard LAN: 100/1000 Mbps TPO OS System*: Windows® 7 Embedded, 64 bit.
<b>Connector Types &amp; Quantities</b>	Power: 1 standard 3-conductor female socket Video Output: VGA mini D-sub or HDMI connector Network Port: Ethernet 100Base-T RJ-45 jack Keyboard Port: USB Mouse Port: USB Peripheral Ports: USBs

*\*If full Windows OS is required, contact your Vicon Representative.*

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**Mechanical Characteristics**


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<b>Application</b>	Indoor
<b>Mounting</b>	ITX mini chassis desktop or standard 19 in. (483 mm) rack mount and stackable, 1 RU height
<b>Dimensions</b>	VNUC-PCV8-RK Rack-Mount Unit: Height (H): 1.75 in. (44.45 mm) Width (W): 19.0 in. (483 mm) with racking ears; 17.6 in. (447 mm) without racking ears Depth (D): 15.5 in. (394 mm), excluding connectors; 16.0 in. (406 mm), including connectors <b>Note:</b> Refer to figure below.
<b>Weight</b>	Rack-mount unit: 14 lb (6.4 kg)
<b>Construction</b>	Steel case and hardware
<b>Color</b>	Black

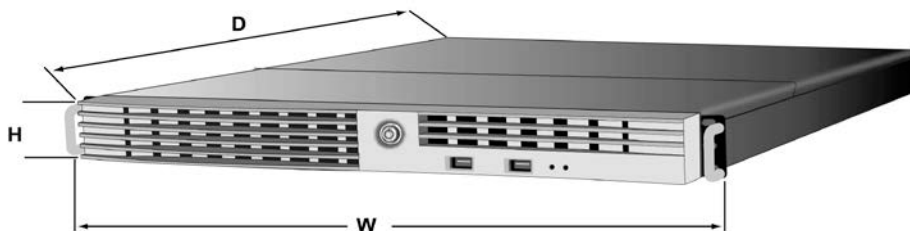
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**Environmental Characteristics**


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<b>Operating Temperature Range</b>	32 to 104° F (0 to 40° C)
<b>Operating Humidity Range</b>	0 to 95% relative, non-condensing
<b>Storage Temperature Range</b>	-4 to 158° F (-20 to 70° C)
<b>Storage Humidity Range</b>	0 to 95% relative, non-condensing

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## Vicon Standard Equipment Warranty

Vicon Industries Inc. (the “Company”) warrants your equipment to be free from defects in material and workmanship under Normal Use from the date of original retail purchase for a period of three years, with the following exceptions:

1. All IQEYE Cameras: Two years if purchased before 1/1/2011.
2. Alliance-mini (IQD3xx), Alliance-mx (IQMxxx) and 3 Series (IQ03xx): Five years if purchased between 1/2/2011 – 12/31/2014.
3. Alliance-Pro (IQA3xx): Five years if purchased between 3/2/2012 – 12/31/2014. Three years if the motorized lens (IQA3xx-A3) option.
4. Uninterruptible Power Supplies: Two years from date of original retail purchase.
5. VDR-700 Recorder Series: One year from date of original retail purchase.
6. V5616MUX: One year from date of original retail purchase.
7. Arecont Cameras: One year from date of original retail purchase.
8. FMC series fiber-optic media converters and associated accessories: Lifetime warranty.
9. For PTZ cameras, “Normal Use” excludes prolonged use of lens and pan-and-tilt motors, gear heads, and gears due to continuous use of “autopan” or “tour” modes of operation. Such continuous operation is outside the scope of this warranty.
10. Any product sold as “special” or not listed in Vicon’s commercial price list: One year from date of original retail purchase.

**NOTE:**

- If the product is to be used outdoors or in dusty, humid, or other hostile environments, it must be suitably protected.
- Camera products must be protected, whether in use or not, from exposure to direct sunlight or halogen light as the light may damage the camera image sensor. This applies to both indoor and outdoor use of the cameras.
- For camera products supplied without a lens, extreme care should be used when mounting a lens on these products. Damage to the product due to incorrectly mounted lenses will invalidate this limited hardware warranty.
- Failure to comply with any of the aforementioned requirements will invalidate this Limited Hardware Warranty.

Date of retail purchase is the date original end-user takes possession of the equipment, or, at the sole discretion of the Company, the date the equipment first becomes operational by the original end-user.

The sole remedy under this Warranty is that defective equipment be repaired or (at the Company’s option) replaced, at Company repair centers, provided the equipment has been authorized for return by the Company, and the return shipment is prepaid in accordance with policy. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer. When a product or part is exchanged the replacement hardware becomes the property of the original purchaser and all hardware or part thereof that is replaced shall become the property of Vicon.

The warranty does not apply (a) to faulty and improper installation, maintenance, service, repair and/or alteration in any way that is not contemplated in the documentation for the product or carried out with Vicon consent in writing, operation adjustments covered in the operating manual for the product or normal maintenance, (b) to cosmetic damages, (c) if the product is modified or tampered with, (d) if the product is damaged by acts of God, misuse, abuse, negligence, accident, normal wear and tear and deterioration, improper environmental conditions (including, but not limited to, electrical surges, water damage, chemical exposure, an/or heat/cold exposure) or lack of responsible care, (e) if the product has had the model or serial number altered, defaced or removed, (f) to consumables (such as storage media or batteries) (g) to products that have been purchased “as is” and Vicon the seller or the liquidator expressly disclaim their warranty obligation pertaining to the product, (h) to any non-Vicon hardware product or any software (irrespective of packaged or sold with Vicon hardware product) and Vicon products purchased from an unauthorized distributor/reseller, (i) to damage that occurs in shipment or (j) to damages by any other causes not related to defective design, workmanship and/or materials.

The warranty for the products shall run from Vicon to End User customers only (including product purchased through authorized partners and resellers). Vicon is not obligated under any circumstances to honor warranties on product(s) purchases from internet auction sites including eBay, uBid or from any other unauthorized resellers. Except as explicitly provided herein, Vicon disclaims all other warranties, including the implied warranties of fitness for a particular purpose and merchantability.



Software supplied either separately or in hardware is furnished on an “As Is” basis. Vicon does not warrant that such software shall be error (bug) free. Software support via telephone, if provided at no cost, may be discontinued at any time without notice at Vicon’s sole discretion. Vicon reserves the right to make changes to its software in any of its products at any time and without notice.

The Warranty and remedies provided above are exclusive and in lieu of all other express or implied warranties including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Certain jurisdictions do not allow the exclusion of implied warranties. If laws under such jurisdictions apply, then all express and implied warranties are limited to the warranty period identified above. Unless provided herein, any statements or representations made by any other person or firm are void. Except as provided in this written warranty and to the extent permitted by law, neither Vicon nor any affiliated shall be liable for any loss, (including loss of data and information), inconvenience, or damage, including, but not limited to, direct, special, incidental or consequential damages, resulting from the use or inability to use the Vicon product, whether resulting from breach of warranty or any other legal theory. Notwithstanding the foregoing, Vicon total liability for all claims under this warranty shall not exceed the price paid for the product. These limitations on potential liabilities have been an essential condition in setting the product.

No one is authorized to assume any liability on behalf of the Company, or impose any obligations on it in connection with the sale of any Goods, other than that which is specified above. In no event will the Company be liable for indirect, special, incidental, consequential, or other damages, whether arising from interrupted equipment operation, loss of data, replacement of equipment or software, costs or repairs undertaken by the Purchaser, or other causes.

This warranty applies to all sales made by the Company or its dealers and shall be governed by the laws of New York State without regard to its conflict of laws principles. This Warranty shall be enforceable against the Company only in the courts located in the State of New York.

The form of this Warranty is effective February 1, 2015.

**THE TERMS OF THIS WARRANTY APPLY ONLY TO SALES MADE WHILE THIS WARRANTY IS IN EFFECT. THIS WARRANTY SHALL BE OF NO EFFECT IF AT THE TIME OF SALE A DIFFERENT WARRANTY IS POSTED ON THE COMPANY’S WEBSITE, [WWW.VICON-SECURITY.COM](http://WWW.VICON-SECURITY.COM). IN THAT EVENT, THE TERMS OF THE POSTED WARRANTY SHALL APPLY EXCLUSIVELY.**