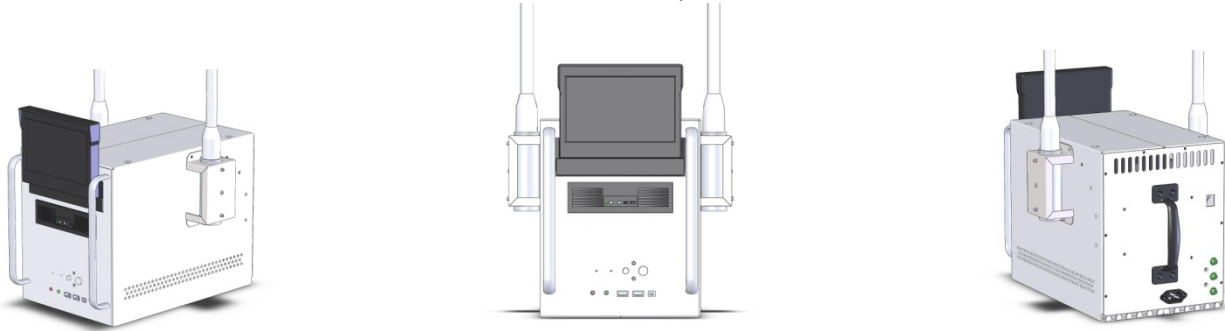


Vision7G™ User Guide

IP scheme, usernames and passwords omitted



This guide is intended to be a general overview of the capabilities and operation of Vision7G Portable Wireless Security Appliance. Please refer to the help system by pressing "F1" on your keyboard to access the on board Genetec Omnicast user guide. Pressing ALT-Tab with toggle between the windows.

Set up:

You do not need to know anything to begin surveillance except, *where* to place cameras and their field of view taking into account the 18-foot (6m) motion detection range (see specs for supported cameras) and *where* to place the Vision7G.

Using the short black antennas, you can reach cameras throughout a gymnasium for instance, or out to 1500 feet with a clear line of sight.

Using the long white antennas, you can penetrate two floors above and below in buildings (mount the antennas at 90-degrees using the supplied brackets), or as another example, you could place each camera 2500 feet away from Vision7G – one camera in the North, one in the South, etc..

If you change antennas while cameras are powered up, wait a few minutes for the connection to re-establish –no need to recycle power. If you move cameras around while the Vision7G is powered up, wait a few minutes for signals to be received – no need to recycle power.

Username and passwords:

Vision7G Windows XP Operating System – none – you may add a Windows username and password if desired.

Radio – username 'xxxxxxx' password 'xxxxxxx'

Omnicast – username 'xxxxxxx' no password required

Cameras – username 'xxxxxxx' password 'xxxxxxx', username 'xxxxxxx' password 'xxxxxxx'

Note: You may alter only the Radio username and/or password

Powering on:

At a minimum, you can just plug everything in and power up. Within three minutes all cameras should be displayed on the monitor in a quad-tile display.

The Axis M1031-W cameras have built-in motion detectors. When motion is detected (within 18 feet (6m)) the cameras will begin recording. If there is an event that you need evidence of, you can export the video(s) to a thumb drive or shutdown Vision7G and take Vision7G to the Police. They will be able to get the video off the hard drive.

The Vision7G system is pre-configured with Genetec Omnicast. Shortly after power up, cameras will be shown in full screen view.

Network Properties

The network properties of the system are:

Internal Wireless Radio - xxx.xxx.xxx.6

Operating System, Omnicast Software – xxx.xxx.xxx.5; Gateway xxx.xxx.xxx.6

Cameras one thru four - xxx.xxx.xxx.1-4 ..using 29 bits for the subnet mask for a total of six (6) hosts

Viewing:

Each camera has its own viewing tile to display the video stream. Full screen view is toggled using SHIFT-F11.



To learn more about the viewing pane features refer to the help file (by pressing F1), in the Basic Operations, Viewing a Camera, Viewing Tile section.

Recording:

The motion detector in the camera will trigger recording automatically. It is sensitive to motion within approximately 18 feet (6m) and approximately 90 degrees. Recording begins 10 seconds before motion starts and ends 10 seconds after motion stops. The Vision7G always receives a stream from the cameras, however, only the time between the 10 seconds before motion and the 10 seconds after motion is detected, is the video written to the hard drive.

Manual Recording:

You may wish to record cameras regardless of motion detection (for long fields of view, or to record audio for instance) in this case you should use manual recording.

To record manually, click the dark round icon  in the lower right of the camera tile. After clicking, it will turn red  and record for 24 hours unless you click it again.

See the help file (by pressing F1), in the Basic Operations, Viewing a Camera, Recording section.


Bookmarks:

You can remember important moments by adding bookmarks to the recorded video. Later, you can review these marked video sequences with the Archive Player by searching for the bookmarks they are associated with. First, select a camera by clicking the camera tile.

To add a bookmark to the selected camera, do one of the following:

Right-click in the camera tile and select 'Add a Bookmark' from the popup menu.

Or, select the camera tile and keying in 'b'.

Or, point to the bottom area of the tile and click the 'add a bookmark' icon .

To learn more about bookmarks, search the keyword 'bookmark' in the help file by pressing F1.

Using audio:

For each camera tile there is a tool menu that will appear when you hover your mouse over the lower right corner of the tile. Clicking the Speaker icon will activate listening to audio. If you have a working microphone (*as evidenced by being able to record your own sounds using the Windows Sound Recorder*), hold down the left mouse button over the microphone icon to send sound to the camera speaker. See specifications for cameras that support the audio functions.

Camera Lighting (for Axis M1031W Cameras only):

Camera lighting is controlled by simply using the Keyboard key-commands:

Ctrl-F1 thru F4 – Turn camera1 thru camera4 'light on'

Ctrl-F5 thru F8 – Turn camera1 thru camera4 'light off'

Camera Audio (see supported audio cameras on spec sheet):


Ctrl-F9 thru F12 – Send warning audio file to cameras 1-4


Alarm Triggering:

If you want to activate all camera lights and send out audio warnings to all cameras at the same time, right click any camera tile and select 'Trigger Alarm', then select the first checkbox and click 'OK'.

Instant Replay:

The instant replay allows you to replay the last few minutes (or seconds) of any live video you are currently viewing (as long as the system was archiving the video stream for which you are requesting the playback).

Select the camera tile and key in 'control <i>', or right click the camera tile and select the instant replay option, or hover over the lower right of the tile and click the instant replay icon  .

After viewing the video, click the close sequence icon , and then close the instant replay tool pane by clicking the 'X' on the upper right. *Please refer to the 'Advanced Features', Instant Replay section of the help file, by pressing F1.*

Exporting video:

You can invoke the export video function inside Instant Replay or in the Archive Player.

Using instant replay, click the export current sequence icon  to bring up the export menu.

Using Archive Player, first start the archive player by starting the program in Windows, log in and select the camera you want to export from. You may also search cameras for specific bookmarks and then export.

You can export to Windows ASF or AVI, but audio will not be perfect. When you export to .g64 you are exporting to the native Omnicast format and can also include a player with the export. You can export to a flash drive or across a network.

If you start the Archive Player and press F1, you can use the Archive Player help file to learn all about exporting.

Camera features (Axis M1031W, as an example. Please see other supported cameras on Vision7G's spec sheet):

The cameras have several features that may be of use to you. Although we have pre-configured the cameras for use with Omnicast, you may wish to, for example, turn on the light when a certain level of sound (or absence of sound) is detected by the camera. To access the camera outside of Omnicast, start a browser and connect from the Vision7G using the camera's IP address (xxx.xxx.xxx.1 thru .4 – for cameras one thru four). You may go into Setup with the username 'xxxxxxx', password 'xxxxxxx'. Go to the Events section, Event Types, and add a triggered event for instance. The cameras (Axis, Sony, Vivotek) have an extensive help file system built in.

Note: *Do not change the 'xxxxxxx' account properties - it is used by Omnicast. Do not change the wireless IP properties of the cameras.*


Connecting to outside wired networks:

You may connect to another network using the RJ45 connection on the back of Vision7G. After an IP address is assigned to the connection, use that IP address to log into Omnicast from the wired network.

You can load the Client software on the wired network computer, or enable Active X inside the Internet Explorer 7 or below browser on the wired network computer and go to <http://ip-address/client> -after adding it to your trusted sites. This will load the thin client the first time in. Use the username 'xxxxxx', there's no password and the Gateway is the IP address of the Vision7G network connection. You can reset the browser's security settings after the thin client is loaded.

Note: *Using thin client will disable the pre-configured keyboard F1-F12 keys on the network computer, but you can still trigger the Alarm by right clicking a camera tile.*

Shutting down:

First, get out of full screen video view by pressing 'Shift-F11'. Click the user logoff icon  at the top left of the screen, then close the window. Perform the windows shut down command.

Note: *You should unplug the power cord from Vision7G to completely power off the monitor and wireless radio of Vision7G.*

Radio configuration:

Vision7G has a dual band radio (2.4 and 5GHz). The 2.4 side of the radio is pre-configured and must not be changed. Configure the 5 GHz radio as needed for your purposes.

For instance, with the right antennas, you could put Vision7G in the trunk of a 'Bait Car' and connect a wireless client to provide surveillance of car thieves. Or, you could build a wireless bridge back to some other network, etc. The Vision7G has two rp-tnc connectors on top and in front for optional 5 GHz antennas. You may access the radio by using a browser at address xxx.xxx.xxx.6, username xxxxxxx, password xxxxxxx. **Note:** *you may change the password if you wish.*

Omnicast admin user:

The admin account password is initially unavailable to customers. Therefore access to the Config tool is not possible. However, you should contact Diamond Quest if you need to add Macros or want to load additional Genetec Plugins, etc and we will give you the password.

Note: *Getting the password for the Omnicast admin account may alter the terms of your support, such as incurring pay per incident fees for issues related to restoring original configuration settings.*

Support:

Technical support is available at no charge for one year*. Extended support including 24/7, is available.

Hardware (excluding cameras) – Diamond Quest, (866) 638-3696

Cameras – Axis, (978) 614-2000, Sony and Vivotek – Contact Diamond Quest

Omnicast Software – Contact Diamond Quest or Genetec, (866) 338-2988

Radio – Cisco TAC, (800) 553-2447

* free 90-day support from Cisco, all other support – One year

Notes on optional cameras:

The system is available with other cameras, or a mix of cameras. All preconfigured to be ready to go out of the box by just powering on.

Each camera will come with its own user guide and may have other features that you will want to utilize. You may access these additional features by configuring the camera using your browser. After configuring inside the browser, the cameras will continue to operate with Vision7G, along with the additional functionality you enabled.

Do not alter the username or password of the cameras, since Vision7G is preconfigured to use these credentials. You may add usernames and passwords to the cameras if desired.

Notes on locating Vision7G and its cameras:

We suggest that you place Vision7G in a location that can be secured such as a lockable closet, or attic, such that physical access to the unit is limited, thereby protecting the video and audio recordings from being stolen. We also suggest that you place cameras close to those areas that are of value such as your safe, storage, entertainment centers, office or places of this nature. Test the motion sensing, video clarity and field of view to insure that you will get the evidence when you need it should an invasion of your privacy arise.

Keep in mind the other capabilities of the cameras and use these to enhance the systems functionality by accessing the cameras in a browser and activating the feature(s).

Example:

For the Axis M1031-W, consider activating the internal white light of the camera whenever motion is detected between a time-range. If you have a mix of cameras, such as the Axis M1031-W and one of the Sony PTZ cameras, consider configuring the Sony to go to a particular preset position when the Axis detects sound above a particular level.

For some of these features you may need technical assistance. Diamond Quest can help you. Call (866) 638-3696 Monday thru Friday, 9am to 4pm EST, and we would be happy to assist you. Or email support@diamondquest.us