Vicon Mobile Application

Overview

The ViconNet VMS can now be accessed using a mobile device, including smart phones and tablets*. Vicon has developed a unique application that can be installed on a mobile device that offers superior video quality and performance.

This mobile application was developed for use with both the Apple iOS, supporting iPhones and iPads, and the Android O.S., supporting a variety of mobile phones and tablets.

The mobile device solution builds on Vicon's existing Web Server that has been used for its web viewer; it has been enhanced with the flexibility to support multiple devices, including the additional processing required for mobile devices.

Scalable architecture offers almost limitless system sizes. As the system grows, and the need for more devices increases, servers can be added to the system to handle the load. To save on bandwidth and display resources, the application processes the video image into an optimal size for the device.

The ViconNet Mobile App is available free-of-charge at the Apple App Store and Google play. For information on the Web Server, refer to its datasheet.

- Designed to run on iPad®, iPhone® and Android™ phones and tablets
- Allows to securely connect to ViconNet® systems using SSL
- View live or recorded video from any device on the system
- View concurrent multiple video streams, up to 4 on phones and 9 on tablets
- Full control of PTZ, including presets
- Quick and simple playback access
- Uses existing user account privileges
- Pinch-to-zoom on live and recorded video
- Arrange video tiles on-the-fly
- Remember last state when minimized
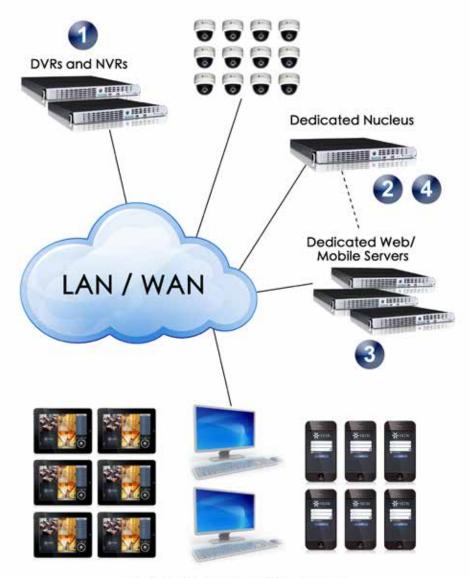
Web Server Requirements

The number of web servers required to support the video streams from the mobile and web viewers depends on a variety of factors. The combination of these factors will determine system requirements (additional web servers may be required on certain size systems, depending on these factors**).

- Type of video compression
- Resolution of video source
- FPS rate of video source
- Number of concurrent viewers and video streams needed

Typical view of ViconNet on an iPad

**To avoid overloading a specific server on a multi-server system, a load balancing application is available to manage the distribution of resources.

*The mobile application requires version ViconNet 6.6 with Mobile update on the system used as a Web Server.

1. NVRs and DVRs recording cameras.
2. Nucleus running on a dedicated server, as required on a larger size system.
3. Dedicated Web/Mobile Servers can be added to the system to increase support.
4. A load balance server (running on the Nucleus) manages all web/mobile viewers via the same IP; splits the load among the different servers (in the system running on the Nucleus).

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