

ViconNet/VMDC 8.3

General Description

Vicon is releasing ViconNet version 8.3 for ViconNet-based systems. This updated version is primarily released to support migration to the new Valerus VMS using the Valerus-ViconNet Gateway (see Valerus ViconNet Gateway for details). There are also several fixes for problems reported from the field and from the Vicon test lab, as well as improvements to system performance and stability.

This version is backwards compatible with ViconNet 4.x, 5.x, 6.x and 7.x.

Important Notes:

1. The installation/upgrade process may take a while (typically 5-8 minutes).
2. There is no separate installation of drivers included in this package.
3. This version requires the operating system to be minimum **Windows 7 service pack 1** in order to be installed.
4. This version is not compatible with Windows XP that was discontinued by Microsoft. For systems running Windows XP you may keep using the latest Windows XP approved ViconNet version 7.0.

Vicon Production

The new version of ViconNet will be put into mass production in March 2018 and will be installed on any system going forward. The software for existing users will be made publicly available online.

Field Installation

The installation of ViconNet 8.3 as an upgrade to version 8.0/8.1/8.2 does not require a license. Installation on all former ViconNet versions require re-licensing of the software! Systems covered by Vicon's software enhancement program will receive the license for free. For systems not covered, contact Vicon sales.

Users who wish to update their existing systems (Kollectors, NVRs and Workstations) may download the new installation from the Vicon website (Software Downloads – ViconNet/VMDC).

To upgrade from older ViconNet versions, including versions 5.6d and 6.x, use the full installation and follow the installation instructions; it maintains all system settings and configuration (if a lower version is being upgraded, it will require updating to a supported version prior to installing this version).

Written by Guy Arazi

Vicon Release Notes

Users may choose to keep running with their current version if they feel comfortable with it and do not see the benefit in an upgrade.

As before, a system that has version 8.x installed on any device can upgrade the Nucleus to version 8.3 even if some devices are still running an older version (best practice calls for the Nucleus to run the latest version).

New Features and Operational Changes

Support Valerus–ViconNet Gateway

For systems that want to take advantage of the new Vicon Valerus VMS and migrate their existing ViconNet system using the Valerus–ViconNet Gateway, this version will be installed on the Gateway computers. Note there is no need to upgrade the existing ViconNet system in such a case. See the Valerus–ViconNet Gateway information page for further details.

Support Valerus Playback in VMDC

Added the ability to perform edge playback from a Valerus VMS on VMDC in the same way it works in ViconNet.

Clear Text in VMDC

When a text was displayed as the last command in a VMDC macro, it would not ever clear. This was changed so the text will be cleared.

Archive Wizard Text

Updated the text in the archive wizard screen to better explain the fields and expected operation.

Solved Issues

Focus control over encoder

Fixed the ability to control focus when using an encoder in ONVIF mode to control analog PTZ.

PTZ speed

Corrected an issue where PTZ speed for diagonal directions was too slow.

QSAPP process “Stuck”

Fixed a problem when a Valerus system was connected to ViconNet that prevented the QSAPP process from ending (after shutting ViconNet down) and required killing the process in task manager.

Thumbnail Search Memory Leak

Fixed a memory leak that sometimes occurred when thumbnail search in ViconNet was heavily used.

Vicon Release Notes

Playback Dialog Closing

Changed the site list refresh behavior so it won't refresh when video loss is reported. This would cause the quick playback and playback from time dialogs to close.

Known Issues

This version only fixes the issues listed above and is otherwise identical to ViconNet version 8.2.

Multicast support with multiple NICs

Using Multicast in a computer with multiple enabled network cards sometimes causes video frames to drop, resulting in no video. Disabling the NIC not used by ViconNet resolves this.

Slower playback of 4K and higher video

When playing back video recorded at 4K resolution or higher, the playback may appear slower than real-time.

Very long clip export issues

In some cases, an attempt to export a very long clip of more than 10 hours will cause the application to restart. Best practice is to export shorter clips.

Wrong error message on bad clip export

When a video clip is exported to any disk that has no free space, the application shows a "success" message although the export did not succeed.

VMDC macro with more than 100 cameras fails

VMDC macro that contains more than 100 cameras will not run. This is simple to work around by splitting cameras into several macros.

Mask/Unmask on paused image

When video is played back and paused, an attempt to mask or unmask the image (based on the central masking feature) will not change the mask. The work around is to click on the next or previous frame buttons to refresh the image.



AVI clip playback on latest VLC

An AVI clip that is created from ViconNet does not display well on VLC media player version 2.0.X (it will play well on Microsoft media player).

Microphone icon on map

An activated microphone does not **bold** the icon on the map.

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Export authorization to different product causes an error

Attempting to export user authorization from a V910 PoE camera to an H.264 encoder or HD PTZ will cause a crash. One should export authorization only to similar devices to avoid this at this time.

Web viewer video and audio simultaneous playback

Playing back audio and video simultaneously on the web viewer fails to sync, but each can be played back separately.

Picture setting changes to default

If the primary user of a camera from a Kollector or encoder stops using the camera after making changes to its picture settings (such as brightness, color, etc.), the picture changes back to default even when someone else is watching them. If necessary, save as default settings can be used to maintain the changes.

V960 audio and video sync playback

When playing back a recording on ViconNet from a V960 camera with both video and audio in sync, the audio sometimes distorts; this does not harm the recording itself.

Wrong error message on controls screen

If a user tries to setup a control and selects a port already being used, the work error message that displays is "This screen has been idle for a long."

High motion video export to MPEG-4

If an H.264 high motion video is exported to an MPEG-4 clip, pixilation appears in the clip. Use Xvid to avoid this.

V960 JPEG export issues

When attempting to export an image or a clip from a recording that was done in JPEG format from a V960 camera, the export fails frequently.

Wrong message for non-authorized 3rd party camera

If a 3rd party camera (or a Vicon open-standard camera) is not authorized for a certain user, the message when attempting to view it is "site not available" instead of "not authorized."

Museum search looks like it doesn't stop

When performing Museum Search for an episode, there is no message when the search ends and it looks like the search is frozen. Pressing the "stop search" button clears the issue.

Multiple disconnects of Arecont/Sony cameras will cause NVR to crash

If an Arecont or Sony camera being recorded by an NVR is repeatedly disconnecting and reconnecting to the network, the NVR might crash.

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Playback control UI error

If a camera is played back and the user presses the x50 FF and then Pauses, the playback won't pause and playback buttons' functionality is broken (each button activates the one next to it).

Mobotix MXpeg thumbnail

When using Mobotix cameras with their proprietary MXpeg format, thumbnail search will show blank images.

Availability

ViconNet 8.3 software is released to production on March 2018.