

January 2017

ViconNet, VMDC, WEB Version 8.2 (Build 18)

General Description

Vicon is releasing ViconNet version 8.2 (Build 18) for ViconNet-based systems. This updated version is primarily released to allow systems running ViconNet to connect to new Valerus VMS-based systems and view the cameras handled by it. 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. ViconNet 8.2 (Build 18) includes drivers 949.

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 February 2017 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 8.2 as an upgrade to version 8.0 / 8.1 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 (Kollektors, NVRs and Workstations) may download the new installation from the Vicon website (Learn and Support - Software Downloads – ViconNet software) or order a CD/DVD/USB through the sales channel.

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).

Users may choose to keep running with their current version if they feel comfortable with it after reading the solved issues list and establishing there are no advantages in this version.

Written by Guy Arazi

Vicon Release Notes

As before, a system that has version 8.x installed on any device should upgrade the Nucleus to version 8.2 even if some devices are still running an older version (best practice calls for the Nucleus to run the latest version).

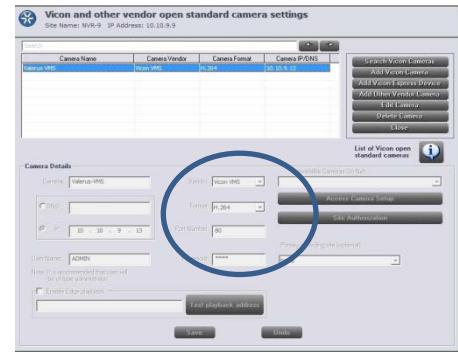
New Features and Operational Changes

Support Vicon Valerus VMS

With the release of the Vicon Valerus VMS, this update to the current ViconNet version will allow adding a Valerus-based system to the ViconNet Nucleus and to see and control its cameras from the ViconNet and VMDC user interface.

This is primarily meant for expansions of ViconNet-based systems as well as for the use of VMDC in a Valerus-based system.

The Valerus VMS is added as a “Vicon camera” and requires no license.

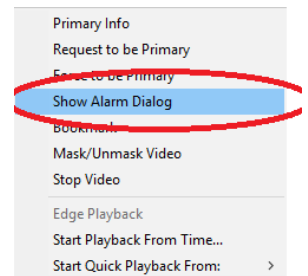


Changed the Crash Report in Service Mode

Changed the crash report mechanism to support running ViconNet as a service. With this updated version the error message pop-up will not show if the service stopped and the service will be automatically restarted.

Open Alarm Dialog in VMDC

For users who want to be able to open the alarm dialog manually, instead of waiting for an alarm to pop-up on the screen, there is now an option to do so using the right click menu on the VMDC main monitoring screen in the same way it is done in ViconNet.



Support Multicast from V9360-1 Series Cameras

Added the required support to allow using the Vicon V9360-1 series cameras in multicast mode.

Vicon Release Notes

Solved Issues

Corrected Data Overflow When Recording a Single Camera

Changed the database recording slice size from 5000MB to 2000MB to prevent situations where an NVR recording a single camera would cause an overflow blocking the ability to playback. This change does not take place on upgrades.

Display Packet Loss Handling

Changed the default display state in order to better handle video with packet loss. In this state the video will not show as pixelated or "broken".

Failures When Using Cameras in TCP Mode

Fixed a problem causing cameras to occasionally drop-off when set to TCP mode.

Web Stream Quality

Corrected the stream setting from the web server used by VAX and other integrations. With this version the picture quality when pulling the lower resolution stream will not get degraded.

VMDC Title Refresh

Updated the title refresh in VMDC and decoder screens to prevent the text from disappearing when reconnecting to video stream

Known Issues

This version only fixes the issues listed above and is otherwise identical to ViconNet version 8.1.

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.

Vicon Release Notes

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.

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..."

Vicon Release Notes

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.

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 8.2 (Build 18) software is released to production on February 2017.