

ViconNet Version 6.6SP3 (Build 93)

General Description

Vicon is releasing ViconNet version 6.6SP3 (build 93) for ViconNet version 6-based systems. This updated version fixes problems reported from the field and test lab and improves overall system performance and stability. ViconNet 6.6SP3 (build 93) includes "Drivers 937".

This version also includes a few enhanced features to improve the overall support of I-Onyx and 3rd party cameras within the ViconNet system.

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

Important notes:

1. The installation/upgrade process may take a while (typically 5-8 minutes).
2. This version includes all hot fixes that were formerly released for version 6.x.
3. There is no separate installation of drivers included in this package. All 6.x-based systems should perform a full update if needed.

Vicon Production

The new version of ViconNet is now in production 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 6.6SP3 on existing ViconNet 6.x systems does not require any re-licensing of the software and is expected to provide a solution to the list of issues detailed below.

Users who wish to update their existing systems (Kollektors, NVRs, and Workstations) may download the new installation from the Vicon website (Support - Technical Support - Software Downloads) or order a CD/DVD through the sales channel.

In order to upgrade from ViconNet version 6.6SP2 (build 71), available for download is a much smaller package than the full installation one. To upgrade from ViconNet version older than 6.6SP2 (build 71) including versions 5.6d and 6.x use the full installation and follow the installation instructions; it maintains

Vicon Release Notes

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.

As before, a system that has version 6.6SP3 installed on any device should upgrade the Nucleus to version 6.6SP3 even if some devices are still running an older version (Nucleus should always run the latest version).

New Features

New crash handling process

If the application crashes from any reason, this process will re-launch it and maintain logs instead of leaving it down.

Wait for database drives to initialize

When initializing the NVR will scan for all database drives expected to be used and in case some are missing it will wait up to 3 minutes for them to connect. This will allow drives that might have disconnected (for example during power failure) to come online and full database to function.

Dynamic display load handling

In cases where the display of a certain camera is tasking the system resources and causes video latency, that camera's FPS for display will be dynamically reduced (while maintaining the recordings) until resources are again available.

System log mechanism update

Logs mechanism was updated to more efficiently handle log writing in high load.

Solved Issues

Black video frames from Kollektor

In an environment with Kollektors used as encoders, black video frames would occasionally be displayed and Kollektors had to be rebooted.

Updates to the LTU (language) utility

LTU was updated to handle issues with text encoding in several languages (French and others) as well as to resolve problems in editing.

Licensing error between Vicon and 3rd party cameras

In some systems, when an upgrade was done to ViconNet, the Nucleus would mistakenly require 3rd party licenses even for Vicon open standard cameras (9xx series).

Vicon Release Notes

Memory leak on ADAM-6050 relay

Operating a relay on a network connected ADAM-6050 device caused a memory leak.

Older Vicon IP cameras playback from type issue

Performing playback-from-time for an older Vicon IP camera (SVFT, 301T, 910PoE) now works from any station not only the recording one.

NVR JUMP quick license

NVR JUMP can again be registered using the quick registration on the JUMP web page.

H.264 encoder video and audio sync and reconnect

Time stamp for the H.264 encoder is now done by the NVR to achieve better sync. Audio streams that have been disconnected for any reason will now be automatically reconnected.

Stopping video from H.264 encoder

Stopping a video stream from an H.264 encoder is now much faster.

Quick playback in web viewer

Cameras that their name starts with a number can now be used with quick playback in the web viewer.

Bookmark file corruption handling

Application will no longer hang at the initialize state when the bookmark files have been corrupted. The system will now create new one.

Known Issues

This version only fixes the issues listed above and is otherwise identical to ViconNet version 6.6SP1.

Startup shortcut duplication

When upgrading a ViconNet system that had Vicon's "Delay-Run" setup (when an iSCSI RAID is used), the shortcut is sometimes not deleted from startup, which results in an error message "cannot run more than one" after ViconNet starts. This message does not affect ViconNet and can be acknowledged. The solution is to delete the delay run shortcut from startup.

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 (will play well on Microsoft media player).

Arecont cameras do not work in Multicast

Using Arecont cameras in Multicast mode does not work at this time.

Vicon Release Notes

Microphone icon on map

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

Full HD and up video stream latency

Depending on display card and monitor, full HD video (and higher) might show latency. This is typically seen when bandwidth exceeds 8 Mbps. Consult Vicon on the setting of camera to CBR to prevent such issues and the minimum requirements for hardware.

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 to only similar devices to avoid this at this time.

Cameras set to a Hebrew font name will not show correctly on site list.

When a camera is set through its web page to a Hebrew font name, on the ViconNet lists the fonts will show meaningless symbols.

Web viewer video and audio simultaneous playback

Playing back audio and video simultaneously on the web viewer fails 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 stream, the picture settings for that stream will switch to the saved default. If any user made changes to these settings, they will be affected and go back to default.

V960 audio and video sync playback

When playing back a recording 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 an already taken port, the work error message it shows 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.

V960 JPEG export issues

There are issues in both exporting an image or a clip of a recording that was done in JPEG format from a V960 camera.

Vicon Release Notes

Wrong message for non-authorized 3rd party camera

If a 3rd party camera (or an I-Onyx 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 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 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 pause again, the playback won't pause and playback buttons' functionality is broken (each button activates the one next to it).

Availability

The ViconNet 6.6SP3 (build 93) software has been released to production.