

ViconNet Version 7.1 (Build 75)

General Description

Vicon is releasing ViconNet version 7.1 (Build 75) for ViconNet based systems. This updated version includes new features and several fixes for problems reported from the field and test lab and improves overall system performance and stability. ViconNet 7.1 (Build 75) includes drivers 942.

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. There is no separate installation of drivers included in this package.
3. This version is not compatible with Windows XP that was discontinued by Microsoft. For systems running Windows XP you may keep using version 7.0.

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 7.1 on ViconNet 7.0 systems does not require any licensing. Installation on ViconNet 6.x systems requires 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 (Support - Technical Support - Software Downloads) or order a 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.

As before, a system that has version 7.1 installed on any device should upgrade the Nucleus to version 7.1 even if some devices are still running an older version (Nucleus should always run the latest version).

Vicon Release Notes

New Features and Operational Changes

New High Resolution Display System

The new display algorithm that was added to VMDC in version 7.0 has been implemented in ViconNet to allow the display of high resolution images in an even sharper and clearer way than before. This new display handles the high data rates involved with this video in a better way that reduces the processing of the video while still displaying correctly.

This version also supports the approved display when using VMDC in ViconNet mode.

JUMP and ZONE Interconnectivity

JUMP and ZONE NVRs can now be directed to another Nucleus (not only used as stand-alone) and allow choosing the proper size NVR for smaller locations. The JUMP and ZONE NVRs will restrict from recording more than their allowed license (JUMP = 6 cameras, ZONE 16/24 cameras).

When connected to the Nucleus, 3rd party camera licenses need to be added to the Nucleus if 3rd party camera are to be supported.

Support Audio In from IQeye Cameras

Audio input (microphone) from all IQeye cameras is now supported (audio out is not).

PTZ Controls Indication

The icons for PTZ control will now only show on cameras selected for control and not on all PTZs at once. This provides for a cleaner user interface.

Support Higher FPS from Cameras

Frame rates of up to 120 fps are now supported for recording and display.

System Recording Mapping

When requesting playback of any camera on the VMS, the system will automatically look up all recordings for those particular cameras and start playing back from the best one. This allows utilizing the backup NVR system better, without the need to know where was the camera recorded at a given time.

This new feature eliminates the need to define the storage site for the open standard cameras.

Support Secondary Monitors

The ViconNet application can now be dragged and used on the secondary monitor. If maps are used, they will open on the monitor that is not showing the main application. Once moved to a different monitors, the ViconNet application will reserve that location and always open on that monitor.

Manual Focus/Iris Control for ONVIF PTZs

On ONVIF based cameras that offer focus and iris controls, support was added from the ViconNet application.

Vicon Release Notes

Digital Zoom on Archive Player

The archive player provided with video export now allows digital zoom using the mouse wheel.

Language Translation Utility

The LTU files have been updated to allow translation of newer fields such as Recording Management. There are two changes to the LTU system:

- Translation needs to be done in both the ViconNet and VMDC LTU (even if only ViconNet is used).
- The language files are identified by the two letter language code, for example Italian = IT. After upgrading to this version, the two letter code LTU needs to be selected under Setup – Language.

Masking on Mobile

The Nucleus based masking feature will now present a mask on mobile devices as well. The mask is always shown and there is no option to unmask on the mobile device.

Web Server Apache Update

The Apache web server has been updated to the latest build containing the latest security and performance enhancements.

IQAnalytics Support

If IQeye cameras connected to the system are running the IQAnalytics application, the events are supported on ViconNet and will be received as an analytics alarms allowing them to run macros.

A guide to using IQAnalytics in ViconNet will be published separately.

Solved Issues

ONVIF PTZ timeout

On continuous PTZ movement, the timeout was changed to 120 seconds. This allows holding a pan commands without the camera stopping for up to 120 sec.

CFN audio

CFN audio will no longer be heard when mute is selected.

Support Safari browser

Safari web browser is now able to show the ViconNet web viewer.

Keypad FF/REW speeds

Corrected the speed for FF and REW using the JOG shuttle (x50 would be too fast and X100 would pause).

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Microphones on web viewer

Listening to a microphone can now be done on multiple web viewers without stopping those already in use.

Macro Backup

Corrected an issue in version 7.0 causing NVRs running in Macro backup (redundancy) mode to crash.

Fast camera group switch

When groups of cameras are being dragged very quickly (under 1 second between drag and drops) onto the UI, the UI no longer freezes.

Known Issues

This version only fixes the issues listed above and is otherwise identical to ViconNet version 7.

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).

Arecont cameras do not work in Multicast

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

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.

Vicon Release Notes

Picture setting changes to default

If the primary user of a camera from a Kollektor 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 frequently fails.

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.

Vicon Release Notes

IQEye 12MP camera video delay

When using the new IQeye 12MP cameras, a delay is accumulated in display. This is under investigation.

Availability

The ViconNet 7.1 (Build 75) software has been released to production.