Updated Firmware (H_5213) for V802D-WIR and V802D-W312MIR Cameras

General Description

Vicon has released firmware for production for the cameras listed below. The accompanying SmartManager discovery tool has not been updated for this release. It is still at version v2.3.3.15.

These cameras and firmware versions have been tested and validated with Vicon's Valerus VMS and with ViconNet V8.x.

Camera	Older Firmware	Newest Firmware
V802D-WIR V802D-W312MIR	H_52_v2.0.4	H_5213_v2.7.9 (See note below)

Note:

It is required to **first** update to intermediate firmware H_52_v2.0.99, and **then** upgrade to the newest firmware H_5213_v2.7.9.

Vicon Production

The latest firmware and discovery tool are available on Vicon's website. A link is provided in the installation section of this document. Manufacturing will switch over to the new firmware for new camera production and update all existing inventory.

This is not a mandatory update. However, updating is recommended for cameras intended to work with Vicon's Valerus VMS or other ONVIF-based VMS systems. For other applications, please review the release notes to help determine if the fixes included are relevant to your environment.

Please review the upgrade instructions described at the end of this document.

Corrected Issues

Very high CPU usage
Under special circumstances, and when connected to certain VMS system types, the camera could show very high CPU usage, up to 100%, in the camera web interface and the camera could become unresponsive.

Gateway setting
It is now possible to set the default gateway to 0.0.0.0 as sometimes required for Vicon Valerus and other VMS systems to limit the camera network access to the local subnet.

DNS entry
The DNS (Domain Name Server) in the camera defaulted to an arbitrary value of 168.126.63.1. It now defaults to 0.0.0.0.

ONVIF compatibility
The firmware has minor improvements to be fully compatible with the ONVIF standard.

PHP version update
The firmware is now using a more current version of PHP HTML scripting language.

Network auto-negotiate
Improvements in auto-negotiating mechanism for the network port.

ActiveX improvements
Improvements in the the ActiveX that is used in the camera's web interface.

User credentials
Fixes an issue where, under certain circumstances, the camera can return to default user credentials after a firmware update.

VCA alarms to VMS
Improvements in the format of the VCA alarms to accommodate Valerus requirements.

SMTP email length limitation
Maximum email address length is now 63 characters (instead of 31).

White balance.
Improvements in White Balance to avoid red tint in specific scenes with little color reference.

Noise Reduction improvements
Improvements in noise reduction in low-light scenes.

Web interface graphics
An issue is fixed where the "manual trigger" button was only partially shown.
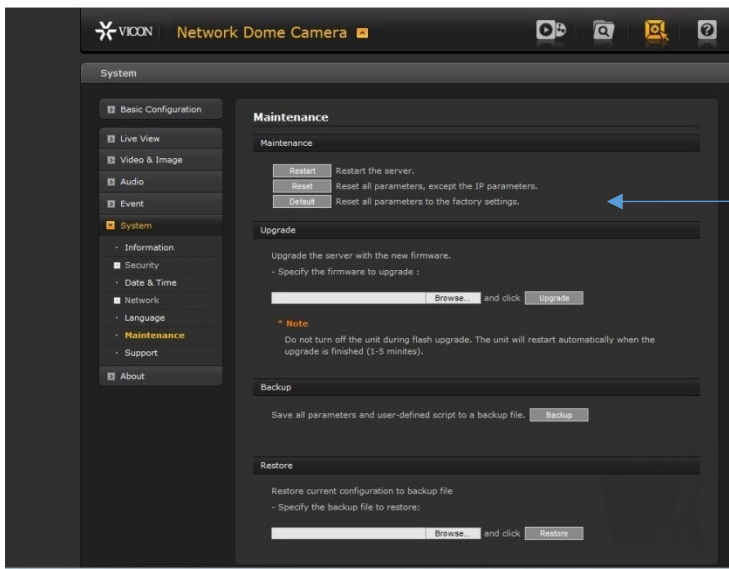
Installing the Updated Firmware

The latest firmware is available on Vicon's website from the Software Downloads tab.
A link is provided below.
http://www.vicon-security.com/software-downloads-library/vicon-camera-software/
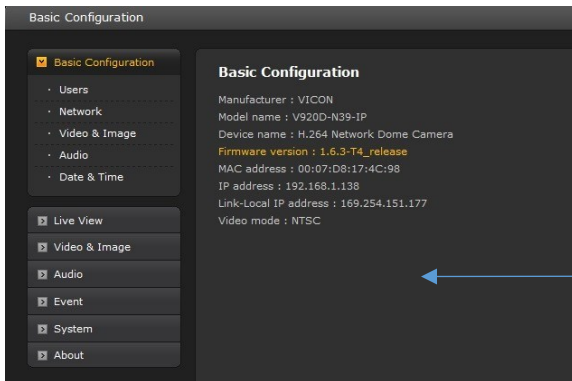
Note:
It is required to **first** update to intermediate firmware H_52_v2.0.99, and **then** upgrade to the newest firmware H_5213_v2.7.9

Download the firmware to your PC. Go to the camera's Maintenance screen:

Update firmware

Open the Upgrade section and use the Browse button to locate the firmware on your PC. Press the upgrade button. During the upgrade process, do not turn off power to the camera. Wait at least 5 minutes and access the camera again.

Once complete, the firmware version can be checked from the Basic Configuration screen.

Updated firmware