

August 2019

Initial Firmware for SN688D PTZ Dome Camera

General Description

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

This camera and firmware version have been tested and validated with Vicon's Valerus VMS and with ViconNet V8.x.

Camera	Older Firmware	Newest Firmware
SN688D-WIR	Initial firmware release	H_7817_PTZ_v1.2.45

Vicon Production

The new firmware and latest discovery tool are available on Vicon's website. A link is provided in the installation section of this document. Manufacturing will use the new firmware for new camera production.

It is recommended for cameras intended to work with Vicon's Valerus VMS or other ONVIF-based VMS systems to have this new firmware.

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

Known issues:

Output relay timer.

In Valerus, when mode "momentary" is selected for output relay mode, the delay time value is shown blank. The pull-down menu will show a 60 seconds option. Currently no other values can be selected. The normal "latching" mode for the output relay is not affected.

Pan angle range.

When setting pan angle limits for PTZ, under certain circumstances it is possible the left and right limits are reversed. This can be resolved by filling in the left limit value in the right limit field and vice versa.

Preset Tours stay time

Valerus allows a dwell time for a PTZ tour of up to 999 seconds. The camera supports a dwell time of up to 99 seconds. If a value of 100 or higher is selected in Valerus, the preset will no longer be presented in Valerus. This can be prevented by using a dwell time of 99 seconds or less.

Preset Tour continues when camera is moved.

When a preset tour is operational in the camera, a manual PTZ command will not stop the preset tour. This will require the operator to stop the preset tour first.

DHCP address

There is a rare situation where the camera will not obtain a DHCP address from the server in the network, but instead defaults to an IP of 192.168.1.100. A new DHCP request or setting the (fixed) IP address manually resolves this.

Gateway address of 0.0.0.0

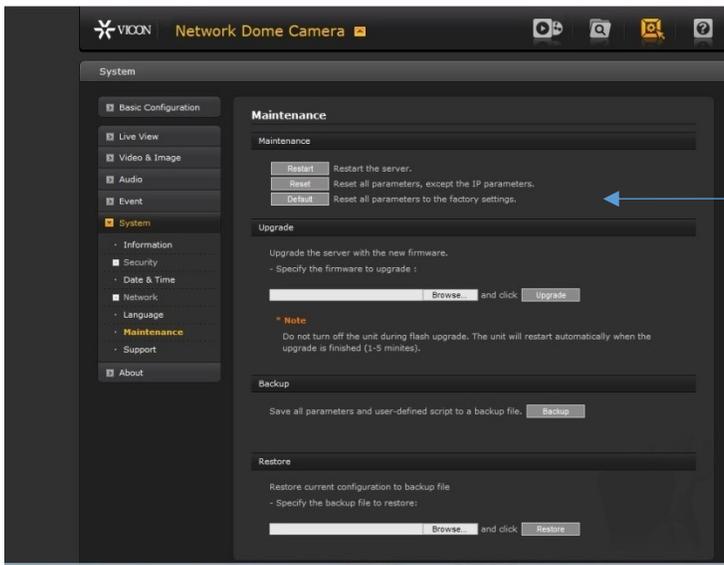
It is not possible to set a gateway address of 0.0.0.0 in the camera from the VMS (via ONVIF). It is possible, however, to do this directly in the camera web interface. (A gateway server IP of 0.0.0.0 is an equivalent of no gateway server that is used to limit traffic from the camera to the local subnet only.)

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/>

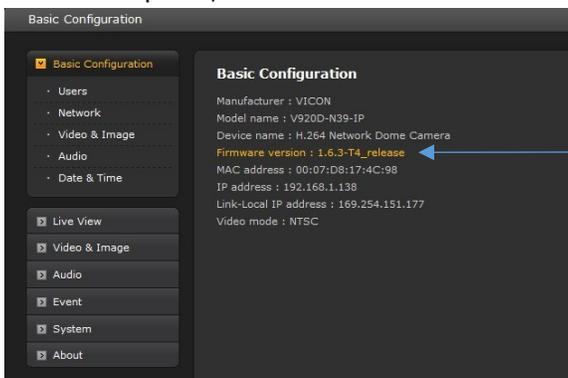
Download the firmware to your PC. Go to the camera's Maintenance screen:



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