

July 2024

Firmware for the V2008PTZ-IR PTZ Dome Camera

General Description

Vicon has released updated firmware for the camera listed below.

The accompanying PRONTO Device Manager Software V2.20 is available on Vicon’s website.

This camera and firmware version have been tested and validated with Vicon’s Valerus VMS.

Camera	Product Code	Older Firmware	Newest Firmware
V2008PTZ-IR	C0VP01	VC22A.0010	VC22A.0017

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 start using the released firmware for camera production.

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

New Features

Analytics Functionality

Advanced analytics with classifications are now supported. Added analytics include Line Crossing, Intrusion Zone, Loitering, Crowding, and Tailgating.

Museum Search

Museum Search now works with object classification, vehicle, person or animal. In Valerus, the filter is accessible to enhance search results; the Valerus Client will show colored bounding boxes for object classification.

Tracking Objects

The tracking function now has a sensitivity setting. Additionally, object type is now selectable, person or vehicle.

Fixed Issues

Optical Image Stabilization (OIS)

OIS functionality has been improved.

FTP Credentials

FTP credentials are no longer limited to only 4 characters.

Stream 2

Stream 2 selection is now consistent with the aspect ratio of stream 1.

Bounding Boxes

Bounding boxes now stay in place when image flip and mirror are used. Additionally, the maximum number of bounding boxes on the camera web interface Live page is limited to 20.

Day/Night Switch

When the camera transitions from day to night or night to day, it now maintains correct focus.

Event List

The event list in the camera user interface now updates properly.

Known Issues

Object Classification after Scene Change

After a quick scene change (i.e., PTZ manual move, preset or tracking), the camera may need a short time to classify objects correctly. Usually within 1 or 2 seconds the objects will be classified again (and bounding boxes will appear in Valerus Client).

Object Classification and Bounding Boxes

For objects to be detected and classified correctly, it is important that the configured detection area include the bottom of the bounding box. As an alternative, the analytics configuration in the "Trigger Area" can be set to "Center."

Event List

For the event list in the camera web interface to record the event's date and time correctly, it is essential that the time in the camera is set correctly. It is recommended to use an NTP server.

Installing the Updated Firmware

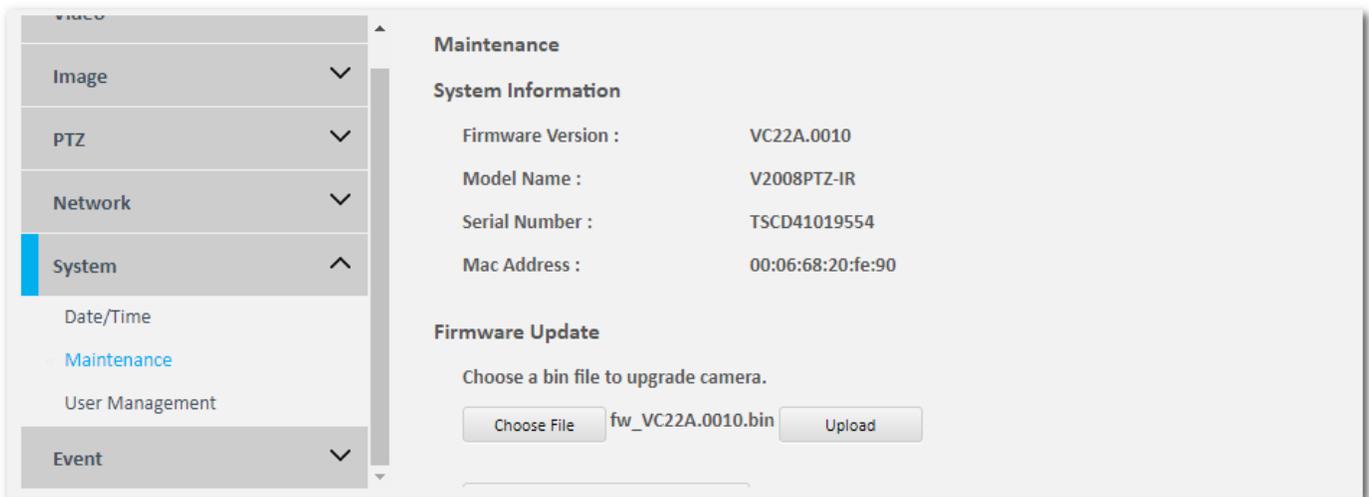
Download the firmware to your PC. Unzip the file.

There are two options to install the new firmware in the camera:

- Using web interface of the camera, uploading the firmware directly into the device.
- With PRONTO Device Manager Software that can be installed on a PC.

Camera Web Interface

In the camera web interface, under Setup > System > Maintenance, press “Choose File” under “Firmware Update” and select the downloaded firmware file. Then press “Upload” to start the update. The camera will install the update and reboot with the new firmware version:



Using PRONTO Device Manager Software

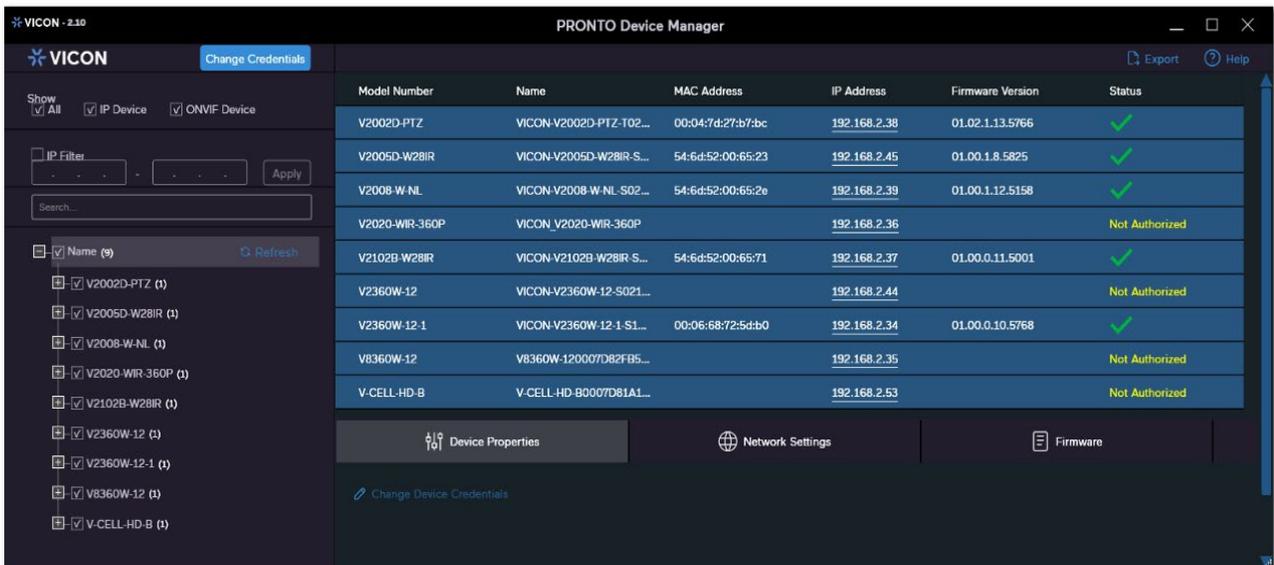
PRONTO is Vicon's device manager tool that can be used to discover all Vicon cameras in a network. This standalone single discovery tool running on a PC, allows users to discover cameras in the network, configure network parameters and update camera firmware (single camera, or in batch).

Pronto Device manager can be downloaded from Vicon's website:

<https://www.vicon-security.com/software-downloads-library/pronto-device-manager-software/>

Pronto Device manager user guide can be found here:

https://www.vicon-security.com/wp-content/uploads/2022/08/Vicon-Pronto-Device-Manager_User-Guide.pdf



To update firmware on one or more cameras:

- Scan the network and find the camera model that needs a firmware update.
- Enter valid credentials for the camera that needs a firmware update.
- Select camera(s). (More cameras can be selected that use the same firmware file.)
- Press the "Upload Firmware File" button; load the new firmware into Pronto.
- Press "Upgrade Device" and select the new firmware file just loaded into Pronto.
- Press Apply. The new firmware is now uploaded to the selected camera(s).
- Allow some time for the camera(s) to reboot after the firmware is uploaded.
- Press "Refresh" and verify the camera(s) are now listed with the new firmware version.