



Release Notes

November 2021

Updated IP Toolbox Utility for V2000 and V2100 Series Cameras

General Description

Vicon has released an updated version of the IP Toolbox utility for the cameras listed below. The IP Toolbox utility is used to discover V2000 and V2100 series camera in the network, configure network parameters, update camera firmware and reset/reboot the cameras.

IP Toolbox 1.9.2.5 is available on Vicon's website

Software	Older Software	New Software
IP Toolbox utility	Version 1.9.2.2	Version 1.9.2.5
For cameras:		
V2002D-W313MIR, V2002B-W313MIR, V2002D-W28IR, V2005D-W313MIR, V2005B-W313MIR, V2005D-W28IR, V2008B-W310MIR, V2008D-W310MIR, V2008-W-NL, V2360W-12, V2102D-W313MIR, V2102B-W28IR, V2102B-W313MIR, V2105D-W313MIR, V2105B-W28IR, V2105B-W313MIR, V2002D-PTZ		

Vicon Production

The latest firmware and discovery tool are available on Vicon's website. Manufacturing will start using the new software for new camera production and update all existing inventory.

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



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New features

Camera discovery in other subnets.

The utility can now also discover cameras that are not on the local subnet. The discovery based on broadcast cannot cross boundaries of the local subnet. The new utility can now also discover cameras outside the local subnet by scanning specific ranges of private range IP addresses.

Note 1:

Automatically setting IP addresses is not supported over TCP.

Note 2:

Discovery on other subnets will only work if proper credentials are provided. The utility is not able to detect the camera models in other subnets without proper credentials and will just say "Authentication failure."

Sorting discovered devices

The utility is now able to sort a list of discovered cameras based on IP address, Camera model, Firmware version and MAC address. Also, it will count the number of discovered devices. This makes it easier to handle many cameras at once.

Known Issues

Discovering cameras with a link-local address.

When cameras are in the network, and they are set for DHCP (which is the default state), they will try to get an IP address from a DHCP address. When no DHCP server is available, the camera will use a self-assigned (link-local) address in the range 169.254.0.1-169.254.255.254. In this state, it will take very long to update firmware on a group of cameras simultaneously. It is recommended to have a DHCP server connected or set a fixed IP address before updating multiple cameras simultaneously.

Installing the Updated Firmware

The IP Toolbox utility is available on Vicon’s website from the Software Downloads page. A link is provided below.

<http://www.vicon-security.com/software-downloads-library/vicon-camera-software/>

- Download the software to your PC.
- Execute the software installer “IP Toolbox.msi”.
- Start IP Toolbox and discover cameras in the network.

The screenshot shows the VICON IP Toolbox application window. The title bar reads "VICON IP Toolbox 1.9.2.5". The interface includes a toolbar with icons for home, IP, camera, power, refresh, and help. Below the toolbar, there is a "Camera List" section with a "Total: 4" indicator and a checkbox for "Select all authorized cameras". A table lists the discovered cameras with columns for Camera Name, MAC Address, IP Address, Subnet Mask, Default Gateway, Port, DHCP, FW Version, Model No., and Status. Below the table is a configuration form for a selected camera, with fields for Camera Name, MAC Address, IP Address, Subnet Mask, Gateway, HTTP Port, User Name, and Password. The form also includes "Save" and "Cancel" buttons.

Camera Name	MAC Address	IP Address	Subnet Mask	Default Gateway	Port	DHCP	FW Version	Model No.	Status
<input type="checkbox"/> VICON-V2002D-W313M	54:6d:52:00:64:ed	192.168.2.30	255.255.255.0	192.168.2.254	80	dhcp	01.00.1.6.4684	V2002D-W313MIR	View
<input type="checkbox"/> VICON-V2360W-12-S02	54:6d:52:00:65:63	192.168.2.13	255.255.255.0	192.168.2.254	80	dhcp	01.00.0.3.4684	V2360W-12	
<input type="checkbox"/> VICON-V2102B-W28IR-	54:6d:52:00:65:71	192.168.2.51	255.255.255.0	192.168.2.254	80	dhcp	01.00.0.11.4684	V2102B-W28IR	
<input type="checkbox"/> VICON-V2002D-PTZ-T0	00:04:7d:27:b7:bc	192.168.2.22	255.255.255.0	192.168.2.254	80	dhcp	01.02.1.13.4708	V2002D-PTZ	View

Camera Name	VICON-V2002D-W313MIR-S021	User Name	ADMIN
MAC Address	54:6d:52:00:64:ed	Password	****
IP Address	192.168.2.30		
Subnet Mask	255.255.255.0		
Gateway	192.168.2.254		
HTTP Port	80	IP Mode	dhcp