

PRONTO Device Manager (Discovery Tool)

XX327-00-01

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Introduction

PRONTO is Vicon's device manager tool that can be used to discover all Vicon cameras on a system. Using this standalone single discovery tool allows users to:

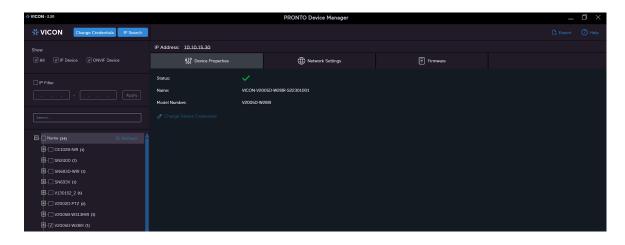
- Discover cameras
- Set up IP addresses: DHCP, manual, batch
- Configure initial passwords
- Launch camera web interface
- Upgrade firmware, single and batch, based on firmware file or device type
- Generate reports for all currently connected cameras, legacy Vicon cameras and other connected ONVIF devices

Features and Functionality

Starting the Application

Auto Device Discovery

Upon startup of the PRONTO Device Manager, the tool's auto-discovery function generates a list of the discovered cameras on the network in a resource list hierarchy on the left side of the opening display page. Note: While the tool will discover third party ONVIF devices, advanced functions such as firmware upgrades are not supported. Above that list there are a variety of filtering options. On the right side of the page are tabs for Device Properties, Network Settings and Firmware. Each of these tabs will be explained individually in this manual.



Cross Subnet Discovery (IP Search)

Additionally, the PRONTO tool supports efficient and secure camera discovery in different subnets. This allows users to search for cameras in separate network segments within specified IP ranges.

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VICON Change Credentials IP Search									() Help
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		VICON-V2002D-PTZ-S02	2 00:06:68:72:14:05		01.02.1.13.4709				
🔲 IP Filter	V2005B-W313MIR	VICON-V2005B-W313MI.							
Apply	V2005D-W28IR	VICON-V2005D-W28IF	IP Range Search						
	V2005D-W313MIR	VICON-V2005D-W313	Start IP :]					
Search	V2005D-W313MIR	VICON-V2005D-W313							
⊡-☑ Name (34) © Refresh	V2008B-W310LPR	VICON-V2008B-W310	Http Port :						
CE102B-NIR (1)	V2008B-W310LPR	VICON-V2008B-W310							
	V2008B-W818LPR	VICON-V2008B-W818	Authentication Failure List:		01.00.1.14.5980				
■ I SN683D-WIR (1)	惊아 Device Pr	operties			(E) Firmv	rare			
I =									
E V130152_2 (1)									
III- ✓ V2002D-PTZ (2)									
III V2005B-W313MIR (1)									
团-√ V2005D-W28IR (1)									
✓ V2005D-W313MIR (2)									
■-V V2008B-W310LPR (2)									
E-V20088-W818LPR (1)									

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Clicking the IP Search button opens a dialog box. The user simply defines the IP range (Start IP/End IP) for the camera search; click Search and a list of cameras displays. From this list, the desired cameras can be selected, and they are added to the list of discovered cameras. If the camera to be added displays quickly, click Stop to pause the search. Click Close when the search is complete.

Filtering the Devices

For some systems, the discovered camera list can be very long. Finding a specific device is made easier by using the filtering and search options provided on the display panel. This allows users to:

- Filter by "All Devices," "IP Device," or "ONVIF Device"
- Filter by IP range
- Filter by text (Search)

Show	☑ IP Device	✓ ONVIF Device	
IP Filt	.er		

Check the box next to the desired filtering method (more than one can be selected); different cameras will display in the resource list depending on the filter selected. Vicon cameras can display under IP cameras and/or ONVIF Device. If IP Filter is selected, enter the IP of the camera in the fields and click Apply.

Refresh the Device List

A "Refresh" button is available above the resource list on the page, which allows users to rediscover the devices in the network. Note that if a filter is applied, the refreshed list reflects the filter selected.

Device Access Credentials

Setting Credentials

Credentials for each camera are used by PRONTO for accessing and authorizing cameras. Users can set and change login credentials, which are then used by the system to communicate with each camera. It is important to ensure that the correct credentials are set in the system, since these credentials allow the system to authorize the connected camera(s), and authorization is necessary to gather certain information and commands for the camera. The credentials are set individually for each camera; the default is the login for the camera. This can be changed so that they are the same for every camera if necessary. See the section below for Editing Credentials. The system only recognizes one set of credentials at a time; all other devices will be noted as Not Authorized.

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* VICON Change Credentials IP :	Search					() Help
Show	IP Address: 192.168.0.100					
V All V IP Device V ONVIF Device	0 Device Properties		Network Settings	Firmware		
IP Filter	Status:	Not Authorized				
	Name:	IQeye-by-Vicon_IQI	B92WI			
	Model Number:	IQB92WI				
Search						
D-Name (3) O Refresh			Enter Credentials	×.		
=-☑ ICB92WI (1) ↓ _ ☑ 달 192.168.0.100				X		
□ [0] 3 ²⁰ 132.168.0.100						
			Username :			
			Password :			
			Fassword :			

Click Enter Credentials. Enter the Username and Password in the popup display screen. Click Apply.

Editing Credentials

There may be some instances when it is necessary to update the credentials used to authorize the camera. After the credentials are set, the button becomes Change Credentials. To edit the credentials, click that button and enter the new credentials in the popup display screen. Click Apply. Note that this does not change the camera credentials but only the credentials the PRONTO tool uses to access the camera information and commands when necessary.

W VICON-27		Pronto Device Manager		- U ×
* VICON Change Credentials	IP Search			🗘 Export 🕥 Help
Show	IP Address: <u>192.168.0.103</u> ^{0[0} 70 ⁰ Device Properties	Matwork Settings	E Fitmware	
IP Fiter Apply	Status: VICON-V Name: VICON-V Model Number: V2005D	2005D-W313MIR-S12500340 W313MIR	Change Credentials	x
Leen. □ CocEve (a) B □ CocEve (a) B □ SeveEve (a) B ⊕ (c) veccoo wittime (a)			Username : Password :	
				Apply

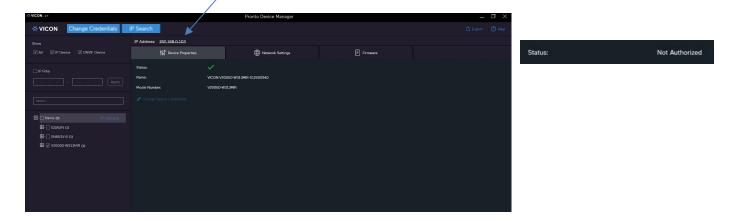
Note that the "Change Credentials" option is only shown if the camera is already authorized with provided credentials and is only used to change existing credentials of the selected device.

Device Properties

The simplest way to see a camera's device properties is to select it from the resource list (check box next to the camera name) and click the Device Properties tab on the right side of the screen (that is the default view when the tool opens). If the device is authorized, it is noted on that screen with a green check on Status and all the information and options are displayed. If the device is not authorized, limited information displays. Follow the instructions above to set the credentials to authorize if needed.

The IP address shown with the underline indicates a hyperlink that opens the native camera page. Clicking it will open the IP address in a browser window.

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Bulk Selection for Device Properties

To change the device credentials for multiple cameras, use the Bulk Selection functionality that the PRONTO tool provides. Select multiple devices in the resource list. The selected devices are shown at the top right of the screen. Under that, similar tabs of "Device Properties," "Network Setting," and "Firmware" display. Select "Device Properties" and make any changes required. These changes will occur on all devices selected.

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VICON Change Credentials IP S	earch							() Help
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All I P Device V ONVIF Device	CE102D-NIR							
IP Filter	V992D-N2	NMD	00:11:5F:0A:BA:E1	172.20.0.30	VCN01.2.1236.96	1		
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Search								
E Ladesn (1)								
E-√ SN663V-B (1)								
⊞-√ V2005D-W313MIR (1)	惊 Device Pri	operties	Network Set	tings	E Firms	/are		

Network Settings

The next tab on the right side of the screen is Network Settings. This section allows the selection of the IP Mode (DHCP/Manual) and provides the Mac address and port number. From here, the IP address, Subnet mask and Gateway details can be edited if required.

*VICON -27		Pronto Device Manager		_ o ×
* VICON Change Credentials IP S	Search			
Show	IP Address: 192.168.0.103			
V All V IP Device V ONVIF Device	00 Device Properties	Hetwork Settings	Firmware	
🗌 IP Filter	IP Mode: DHCP V	Subnet Mask :		
Apply	Mac Address : 00:06:68:72:59:ce	Gateway :		
	Port: 80			
Search	IP Address : 192.168.0.103			
B Nume (a) Ca Gorfresh B ∏ DOGON (a) B ⊕ Sw643V-8 (b) B ⊕ V2005D-W313MR (a)		Ι		

Bulk Selection for Network Settings

To change the network settings for multiple cameras, use the Bulk Selection functionality that the PRONTO tool provides. Select multiple devices in the resource list. The selected devices are shown at the top right of the screen. Under that, similar tabs of "Device Properties," "Network Setting," and "Firmware" display. Select "Network Settings" and make any changes required. These changes will occur on all devices selected.

₩ VICON - 2.8	Pronto Device Manager						—	o ×
XVICON Change Credentials	Search							
Show	Model Number	Name	MAC Address	IP Address	Firmware Version	Status		
All VIP Device V ONVIF Device		CE102D-NIR0007D8177						
		NMD						
IP Filter								
· · · · · · · Apply								
Search								
- Name (76) S Refresh								
- 1 ARM (1)								
· · · · · · · · · · · · · · · · · · ·								
- CE102D-NIR (1)	የሪዮ Device Pr	operties	Hetwork Sett	ings	E Firmv	vare		
- V \$ 172.20.1.4								
☐ CE202D-WN (1)	IP Mode: Manua			Subnet Mask :				
B-□ DS-2CD2085FWD-I (1)	Port: 80			Gateway :				
E- FLEXIDOME_IP_indoor_5000_R (1)	IP Address :							
Ē-□ IB9381-HT (1)								
■ IPMiniDome (1) ■ IQ692WI (2)								
III-□ IODe2W (1)								
							Cancel	

Firmware

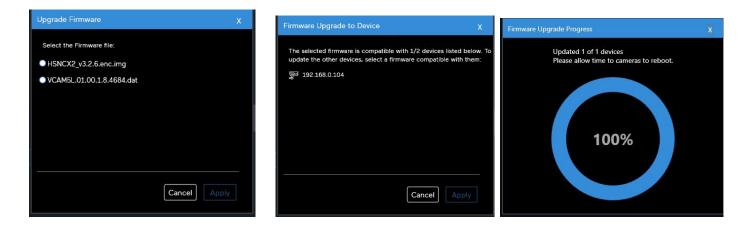
The third tab on the screen is Firmware, which provides information about the firmware that is currently installed on the selected camera.

がVICON Change Credentials P Search 日	
Show IP Address: 192.1680.103	
I All I P Device I CNVIF Device \$\$ \$\$ Device Properties	
P Filter Firmware Version: 01.00.1.8.4684	
Firmware Update:	
Seech. Upgade Version: Updad Firmune File Upgade Device	
B Nome op S Refresh	
B-C sviesve o	

Select a device and then select Upgrade Device to start the firmware update process. The tool recognizes the firmware currently on the device and, if an updated firmware is in the firmware library for the selected device(s), the tool indicates that an updated firmware is available both on the screen and in the resource list (see graphic below); if that firmware is applicable for other devices as well, that is indicated in the resource list. To install the firmware, from the Firmware tab, click Upgrade Device; click Apply and this latest firmware will be installed.

SC VICON - 27	Pro	onto Device Manager			
* VICON Change Credentials IP Se	arch				
Show	IP Address: 192.168.0.104				
V All V IP Device V ONVIF Device	ਊਊ Device Properties	Hetwork Settings	Firmware		
IP Filter	Firmware Version: 1.4.9-X2_release				
· · · · · · · Apply	Firmware Update: Update, available.				
Search	Upgrade Version: Upload Firmware File Upgrade Device			+ Name	G Refrest
Refresh				V923D-N-39	
∃-□ IQB92WI (1) □ IQD62N (1)	⊡ _ Name (3) G R8			🄀 🌮 172.20.0.27_camera	¢
II-↓ SN663V-B (1)	□ □ IQD62N (1) □ □ □ ISN663V-B (1)			🖂 🖉 📅 172.20.0.121_camer	ц Ср
	₩-₩ SN653V-8 (1)			+ NVX-223R (1)	

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Additionally, from this screen the user can upload and install new firmware into the tool's firmware library. The Upload Firmware File allows the user to add a firmware file into the existing library. To add firmware, click the Upgrade Firmware File button. A dialog box opens; go to the location of the firmware. Select the firmware to add and click Open. Once uploaded, it is available in the library to update all relevant cameras.

R VICON-24		Pronto Device Manager			
* VICON Change Credentia	is IP Search				
	IP Address: 172,20,0,234				
	😫 Device Properties	💮 Network Settings			
	Fernane Verson: 01.00.1.12.3824				
	Fernese Update: Under melitier				
	Upgrade Version: Linkset Firmmer Film				
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₽-□ NOT 7212 00					
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Bulk Selection for Firmware

To change the firmware for multiple cameras, use the Bulk Selection functionality that the PRONTO tool provides. Select multiple devices in the resource list. The selected devices are shown at the top right of the screen. Under that, similar tabs of "Device Properties," "Network Setting," and "Firmware" display. Select "Firmware" and make any changes required. These changes will occur on all devices selected.

₩ VICON - 2.8			Pronto Device Mana	ger			_ 🗆 ×
* VICON Change Credentials	P Search						🗘 Export 🛛 🕐 Help
Show	Model Number	Name	MAC Address	IP Address	Firmware Version	Status	
✓ All ✓ IP Device ✓ ONVIF Device		CE102D-NIR0007D8177					
	V992D-N2	NMD	00:11:5F:0A:BA:E1				
IP Filter							
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Search							
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- 🗹 😴 172.20.1.4							
E-CE202D-WN (1)	Upgrade Version: Uploa						
B-[] DS-2CD2085FWD-I (3)							
E-[] FLEXIDOME_IP_indoor_5000_IR (1)							
IB9381-HT (1)							

Selecting a Single Device in Bulk Selection

To select and see the properties of an individual camera in a bulk selection just select that camera from the bulk list.

Firmware Library Update

A Firmware Library is part of the PRONTO tool. Firmware can be added to this library as needed by an individual user; the procedure is explained in the previous section. A complete updated Firmware Library will be available on Vicon's website when there have been updates to it; there will also be a Firmware Definition file available that lists the current firmware for Vicon cameras. Download these files to your system.

To update the entire firmware library on your system, go to the Firmware page. Make sure no cameras are checked in the resource list; the Update Entire FW Library and Update FW Definition File buttons display. Click to upload them to the system.

¥VICON - 2.8		Pronto Device Manager		_ 🛛 ×
XVICON Change Credentials IP Se	arch			
Show	¢¦o Device Properties	Network Settings	Firmware	
I All I IP Device I ONVIF Device	Upgrade Firmware: Update Entire FW Library			
□ IP Fiker				
Search				

An option displays to select the folder with the firmware library or a zipped firmware library folder; both options will update/replace the library files in the system; the old library is backed up in the Installation folder so it can be manually restored if the need arises. Note that these files should be used to upload the entire library and not to upload one or a few files; if that is done then only those new files will be in the library.

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Upgrade Firmware:					
Î	U	ing entire filmware library pload Zip File Upload File Folder cose file folder OxTools Cancel	> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Mere Mandar Maxaif Mandar Maxaif Markow Maxaif Markow Maxaif Cantol Panel Recycle Bin MouseVikioudforders New Folder New Folder (2)	X

CSV Export

All discovered devices listed in the tool can be exported into a CSV file if needed. Check the camera(s) that a report is needed for. If devices have different passwords, additional reports can be run with all sets of valid credentials in order to get the most complete data. Click the Export button in the top right corner of the screen (next to Help) to generate a report.

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1 2 3	Model Number	B	MAC Address	IP Address	01.00.1	are Version	Status	

Help File

There is a Help button in the top right corner of the screen (next to Export). Click Export to download a copy of this document.



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For office locations, visit the website: vicon-security.com

