

User Manual

IP2000 series Device Config Tool version 1.0.0.54

General information

The application allows to search devices in the network, modify network settings (including multiple devices at once), firmware updates, and change the configuration of the cameras. Directly from the application can open a web page the camera by clicking on its IP address.

A particular feature of the application is that it can work with the camera, even the camera's IP address is in a different subnet than the computer address. Also, if your computer has two network adapters installed, the application will search for a camera in each of these networks.

The application correctly identifies, and allows you to configure multiple cameras with the same IP address, so it is a great tool for the configuration parameters of the new cameras, working on the default IP address.

The application window is scalable, so you can adjust its size to your needs. The application opens in the maximized window. To change its size or position, double-click on the top bar, or capture and drag any edge.

Using the application

After installing the application in a standard way and run, opens up **Search tab**, which is the main application window.



The screenshot shows the 'Device Search' application window. It has a dark blue header with a magnifying glass icon and the title 'Device Search'. Below the header are three tabs: 'Search' (active), 'Upgrade', and 'Config'. To the right of the tabs is a 'Filtration' field with a dropdown menu currently set to 'IP'. The main area contains a table with the following columns: No., IP, Media Port, Web Port, Channel, Device Name, Device Version, and Net Mask. The table lists 9 devices with their respective parameters.

No.	IP	Media Port	Web Port	Channel	Device Name	Device Version	Net Mask
7	192.168.1.207	9988	80	1	NVIP-4DN2004H/IR-1P	V2.1.3.3_170221	255.255.0.0
8	192.168.1.206	9988	80	1	NVIP-4DN2002V/IR-1P	V2.0.1.0_160909	255.255.0.0
9	192.168.1.205	9988	80	1	NVIP-4DN2001H/IR-1P	V2.1.3.3_170123	255.255.0.0
4	192.168.1.204	9988	80	1	NVIP-4DN2001H/IR-1P	V2.1.3.3_170221	255.255.0.0
3	192.168.1.203	9988	80	1	NVIP-4DN2001H/IR-1P	V2.1.3.3_170221	255.255.0.0
6	192.168.1.202	9988	80	1	NVIP-4DN2002V/IR-1P	V2.1.3.3_170221	255.255.0.0
10	192.168.1.201	9988	80	1	NVIP-4DN2002V/IR-1P	V2.1.3.3_170221	255.255.0.0
15	192.168.1.171	9988	80	1	NVIP-4DN2001V/IR-1P	V2.0.1.0_160909	255.255.255.0
17	192.168.1.167	9988	80	1	NVIP-4DN2001V/IR-1P	V2.1.3.3_170209	255.255.255.0

The window displays a list of discovered devices, together with their parameters: IP address, media port, web port, number of channels, device name, firmware version, subnet mask, gateway, MAC address, network type and status of the device. For a large number of devices you can restrict the list using the field *Filtration* in the upper right corner, which allows filtering out unwanted devices by IP address (or part thereof), media port or the number of channels. Clicking on any column header causes sorting of discovered devices by given criterion - is possible to segregate both ascending and descending.

Changing the network parameters

To change the camera network select the appropriate checkbox in the first column. At the bottom of the application window will appear the panel to change network settings:

Fill in all fields with the appropriate values: *Start IP* - IP address of the camera, *Media Port* - the port of the media (9988), *Web Port* - Port www (80), *Gateway* - the default gateway, *Net Mask* - subnet mask, then enter the login information (fields *UserName*, *Password*) and press the *Modify* button.

Note: Do not change the values of the media port and web port.

Changing the network parameters of multiple cameras

Note: to make it possible to readdressing multiple cameras, all must have the same login information.

Select the check-boxes next to the devices that you want to readdress, and fill in fields in the panel to change network settings as described above. After pressing the *Modify* button, in to cameras will be assigned consecutive IP addresses, ranging from the value entered in *Start IP* field.

Note: When your computer has enabled more than one network adapter, the option of changing the network parameters of multiple cameras may not work properly.

Upgrade tab:

No.	IP	Media Port	Channel	Device Name	Device Version	Status
5	192.168.1.167	9988	1	NVIP-4DN2001V/IR-1P	V2.1.3.3_170209	
7	192.168.1.171	9988	1	NVIP-4DN2001V/IR-1P	V2.0.1.0_160909	
9	192.168.1.205	9988	1	NVIP-4DN2001H/IR-1P	V2.1.3.3_170123	
11	192.168.1.201	9988	1	NVIP-4DN2002V/IR-1P	V2.1.3.3_170221	
14	192.168.1.203	9988	1	NVIP-4DN2001H/IR-1P	V2.1.3.3_170221	
15	192.168.1.207	9988	1	NVIP-4DN2004H/IR-1P	V2.1.3.3_170221	
16	192.168.1.204	9988	1	NVIP-4DN2001H/IR-1P	V2.1.3.3_170221	
17	192.168.1.202	9988	1	NVIP-4DN2002V/IR-1P	V2.1.3.3_170221	
18	192.168.1.206	9988	1	NVIP-4DN2002V/IR-1P	V2.0.1.0_160909	

Tab allows you to update the firmware in the camera. Select the camera to update by ticking the appropriate check-box, then select the firmware file to update (with *Open* button) and enter the login information. Pressing *Upgrade* button begin the process of updating. In the column *Status* application will deliver information about the progress of the update process. Upon successful completion of the upgrade process, go to the *Search* tab and refreshing the list of devices (by periodically pushing the *Search* button), we expect to restart the camera and its appearance on the list. The current firmware version can be checked in the column *Device Version*.

Note: doing the firmware update, follow the general guidelines contained in the firmware update manual (*Firmware update manual_EN_PL_vX.X.pdf*), and especially: disconnect the camera from the recording devices and restore factory settings before and after the update.

Note: although the application allows you to select multiple cameras to firmware update, it is recommended to perform updates in sequence, due to the possibility of errors.

Config tab:



The screenshot shows the 'Device Search' application interface. At the top, there is a header bar with a magnifying glass icon and the text 'Device Search'. Below the header, there are three tabs: 'Search', 'Upgrade', and 'Config'. The 'Config' tab is currently selected. To the right of the tabs, there is a 'Filtration' input field and a dropdown menu set to 'IP'. Below the tabs, there is a form with the following fields: 'IP' (192.168.1.206), 'Media Port' (9988), 'UserName' (root), and 'Password' (masked with four dots). A 'Login' button is to the right of the password field. Below the login fields, there are three buttons: 'Reboot', 'User', and 'Default'. The 'User' button is highlighted. To the right of these buttons, there are two password input fields labeled 'New Password' and 'Confirm Password'. At the bottom of the form, there is a status message 'Login successful' and a 'Set' button.

After entering the IP address, media port, and login information, in this tab we can reboot the camera, change the user's password, and to restore the factory settings.

Note: be careful when changing the administrator password. The application allows to set a password with a length of more than 8 characters (which is possible to enter in the browser window). Setting a password longer than 8 characters prevents logging into a camera by the browser.