

Use ONVIF Device Manager for AViPAS Cameras (Windows)

ONVIF Device Manager is very easy to set up and it's a very useful tool to access AViPAS PTZ cameras. You can use it to set camera's static IP address, see the preview video and have pan tilt zoom controls of the camera.

Please use this link to download ONVIF Device Manager:

<https://sourceforge.net/projects/onvifdm/>

For **AV-1560/1360/1071/1070**, you need to enable the "ONVIF" in the webpage network settings (log onto the camera's built-in webpage and turn on the "ONVIF", click "Apply" and then reboot.)

ONVIF Settings

ONVIF: ☒ On ☐ Off

ONVIF Auth: ☐ On ☒ Off

Multicast Settings

Multicast: ☐ On ☒ Off

Address: 224.1.2.3

Port: 6688

SDK Settings

Active Connection: ☐ On ☒ Off

Address: 192.168.100.138

Port: 1234

NTP Settings

NTP time sync: ☐ On ☒ Off

Server address: cn.ntp.org.cn

Time interval: 1440 minutes

Main time show: ☐ On ☒ Off

Position: X 0 Y 0 (0~100)

Sub time show: ☐ On ☒ Off

Position: X 0 Y 0 (0~100)

Apply Cancel

For **AV-1281/1280/1081/1080/1251/1250/1563**, you don't need to do this step.

Next, connect the camera directly with your computer via an Ethernet cable or set the camera to be in the same network as your computer. In other word, your PTZ camera is in the same network range as your computer. Open "ONVIF Device Manager", the page looks like below:

The screenshot shows a web interface with a login section at the top. It includes two input fields labeled "Name" and "Password", a "Log in" button, and a "Remember" checkbox which is checked. Below the login section is a "Device list" panel. This panel has a search input field with the placeholder text "Name, location or address" and a "Cancel" button. The main area of the device list is currently empty. At the bottom of the device list panel are two buttons: "Add" and "Refresh".

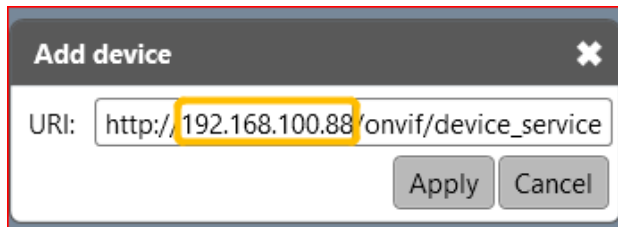
Most times your camera will show up on the top left corner with Firmware version and IP address.

This screenshot shows the same web interface as the first one, but the "Device list" panel now contains a single entry. The entry is displayed in a light gray box and includes the following information:

- In**
- Firmware** 6.2.55
- Address** 192.168.100.88
- Location** China

The login section at the top remains the same, with "admin" entered in the "Name" field and masked characters in the "Password" field.

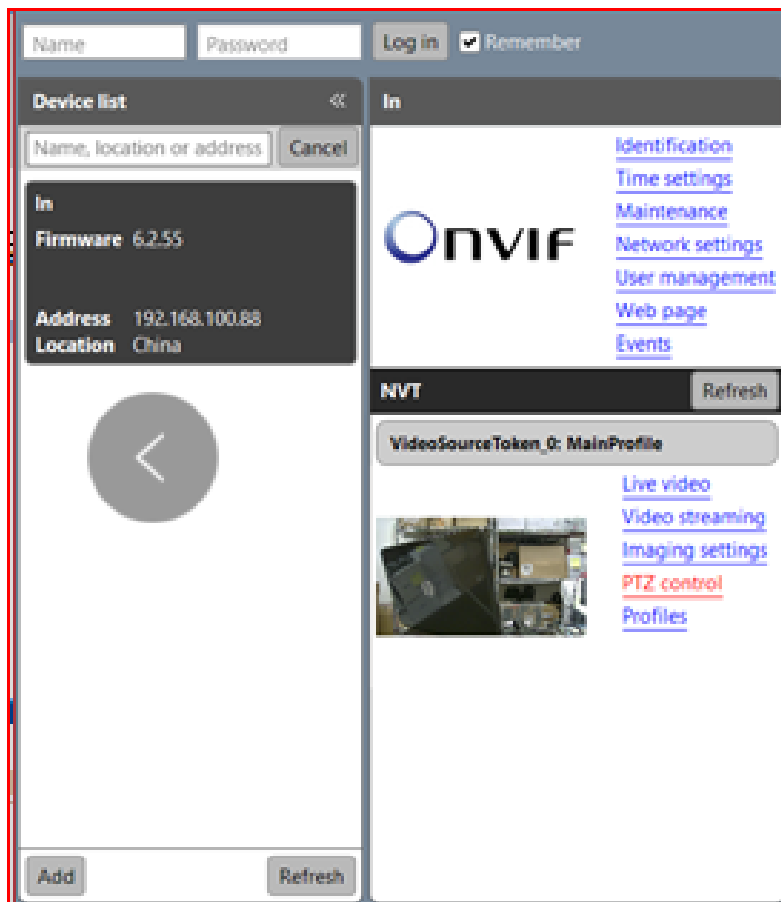
If your camera doesn't populate automatically, try to click "Add" and add it in the pop up window (replace with your camera's static IP address)



Add device ✕

URI:

After the camera is added successfully, log in on the top left, and click on the camera info square, it will start to load, and you will see page like below:



Name Password ☒ Remember

Device list ⌵

In

Firmware 6.2.55

Address 192.168.100.88

Location China

ONVIF

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NVT

VideoSourceToken_0: MainProfile

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Click on "Live video", you will see the camera's preview. Some browsers now prohibit VLC media plugin and Flash player will stop working at the end of 2020, this ONVIF device manager is a good alternative tool for Windows users who want to see the preview video of their cameras.

Click on "Network Settings", you can see the IP and other information of your camera and you can change the static IP of your camera on this page.

Name
Password
Log in
☒ Remember

Device list
<<

Name, location or address
Cancel

In
Firmware 6.2.55

Address 192.168.100.88
Location China

Add
Refresh


In

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NVT Refresh

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Network settings

DHCP: Off
IP Address: 192.168.100.88
Subnet mask: 255.255.255.0
Default gateway: 192.168.100.1

Host name: Manual In
DNS: Manual 192.168.100.88; 192.168.100.88
NTP servers: Manual 192.168.100.88

HTTP ports: Enable 81
HTTPS ports: Disable
RTSP ports: Enable 554

Enable zero config: ☐ None
ONVIF discovery mode: Discoverable

Apply
Cancel

Click on “PTZ control”, you will go to below page, and here you can pan, tilt and zoom control you camera. But the preset settings don’t work on this page.

Name
Password
Log in
☒ Remember

Device list
<<

Name, location or address
Cancel

In
Firmware 6.2.55

Address 192.168.100.88
Location China

Add
Refresh


In

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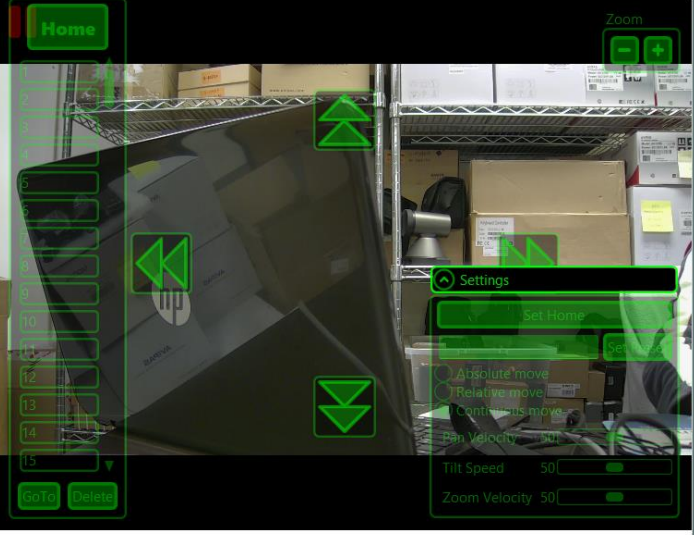
NVT Refresh

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PTZ control

Home
Zoom


*Port information for all AViPAS cameras:

Model Number	IP Address	Subnet mask	Gateway	UDP port	ONVIF port	Username/ Password
AV-2020	192.168.1.188	255.255.255.0	192.168.1.1	52381	8000	admin/admin
AV-1560	192.168.100.88		192.168.100.1	1259	81	
AV-1071	192.168.5.163		192.168.5.1		2000	
AV-1080/1081/1082						
AV-1280/1281						
AV-1250/1251						
AV-1361/1362				AV-1563	NA	80
AV-1161						