

# uniview

Better Security, Better World.

## CONFIGURATION TUTORIALS



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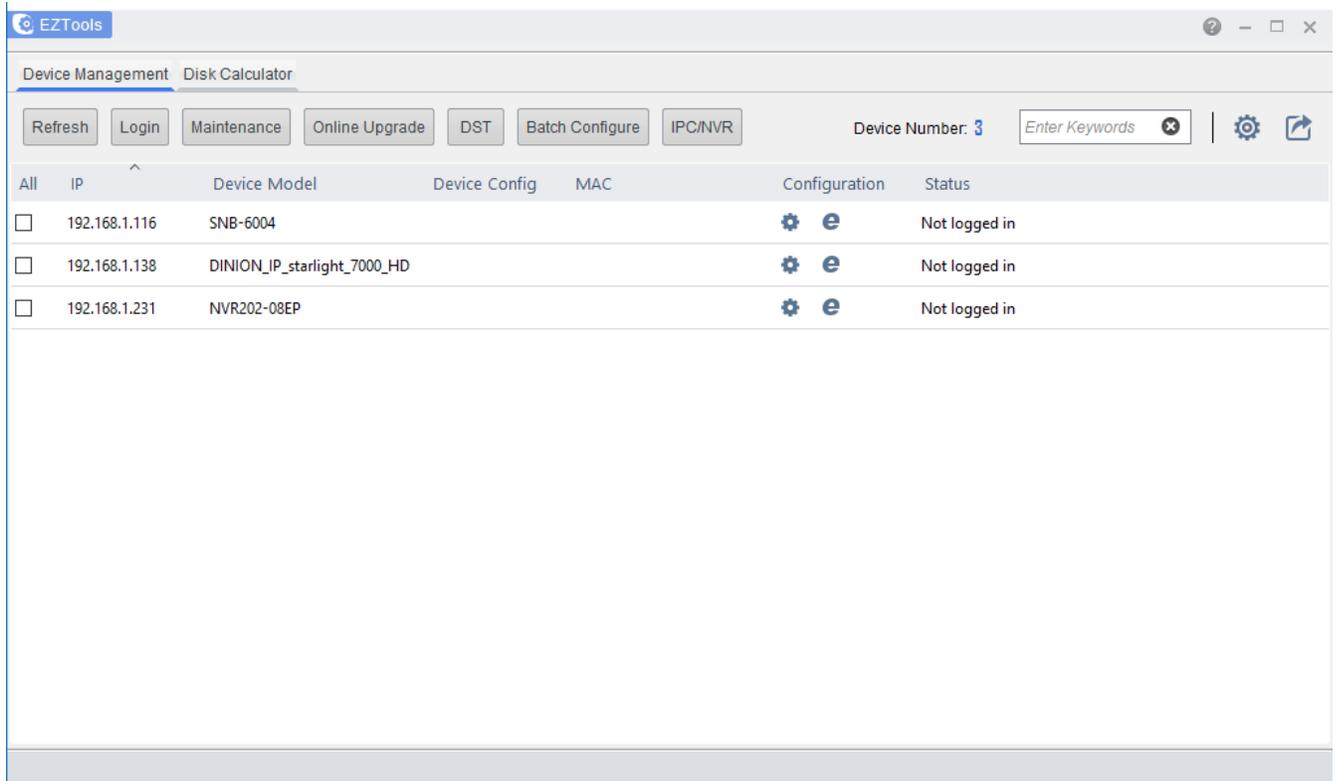
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# ADDING 3<sup>RD</sup> PARTY CAMERAS

## ADDING 3<sup>RD</sup> PARTY CAMERAS TO A UNIVIEW RECORDER

### LOCATING YOUR CAMERAS

1. Uniview offers a software named EZTools which can be downloaded from the WEC website. This tool can scan your network and find Uniview devices and 3<sup>rd</sup> party devices. This tool allows for find the cameras IP address and the ability to load it up in a web browser.



The screenshot shows the EZTools software interface. At the top, there are tabs for "Device Management" and "Disk Calculator". Below the tabs are several action buttons: "Refresh", "Login", "Maintenance", "Online Upgrade", "DST", "Batch Configure", and "IPC/NVR". On the right side, there is a "Device Number: 3" indicator and a search box labeled "Enter Keywords".

All	IP	Device Model	Device Config	MAC	Configuration	Status
<input type="checkbox"/>	192.168.1.116	SNB-6004				Not logged in
<input type="checkbox"/>	192.168.1.138	DINION_IP_starlight_7000_HD				Not logged in
<input type="checkbox"/>	192.168.1.231	NVR202-08EP				Not logged in

2. Most camera manufactures will make their own tool for finding cameras of theirs on the network. In this tutorial we will be adding a iMaxCamPro IP camera to the recorder, so we used the iMaxCamPro "Config tool" to find their camera.



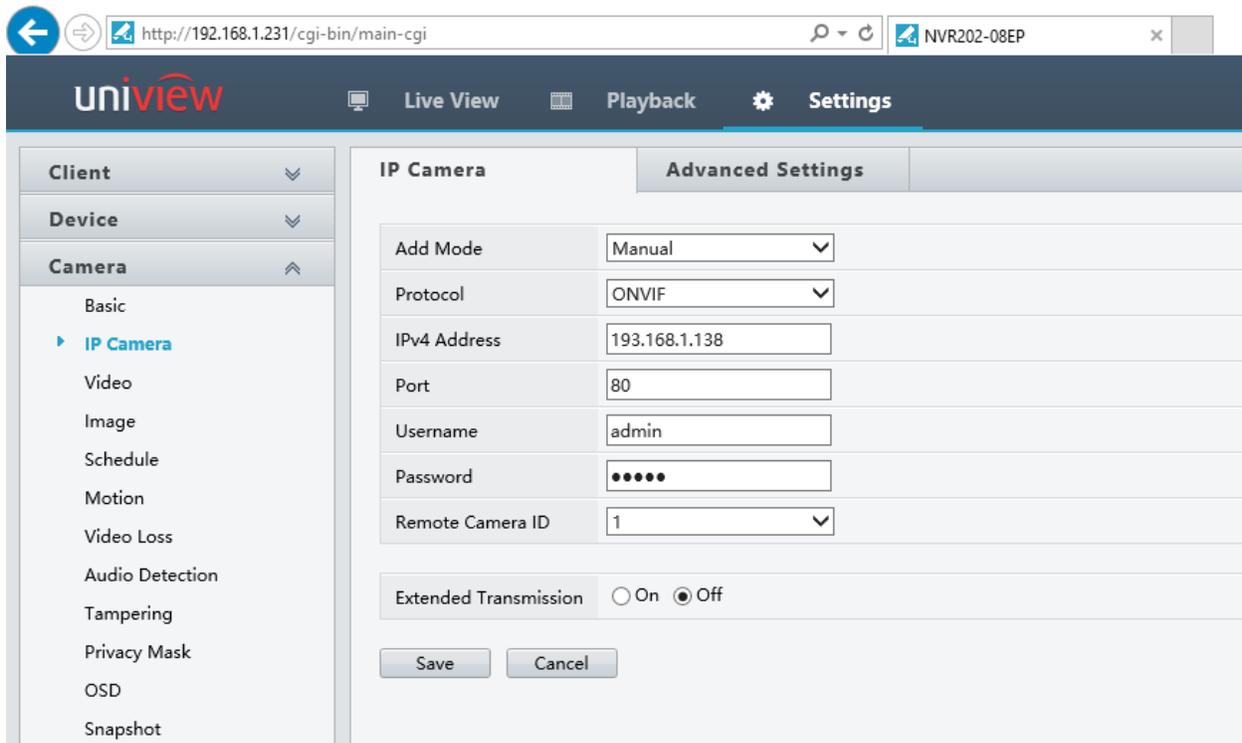
The screenshot shows the ConfigTool web interface. At the top, there is a search bar with the text "Find number of devices: 1". Below this, there are dropdown menus for "IPv4" and "All", and a search input field. To the right, there are buttons for "Refresh", "Login", "Setting", and "Batch Mode". The main content is a table with the following columns: No., Type, Model, IP, TCP Port, HTTP Port, Subnet Mask, Gateway, MAC, SN, Version, and Operate. The table contains one row of data for an IP Camera.

No.	Type	Model	IP	TCP Port	HTTP Port	Subnet Mask	Gateway	MAC	SN	Version	Operate
1	IP Camera	IP Camera	192.168.1.108	37777	80	255.255.255.0	192.168.1.1	90:02:a9:2d:1a:...	WIIIR230TZC...		 

3. After finding all your cameras in the network you will need to change their IP address to match your networks default gateway. Once this is done for all your cameras you can them move on to adding your cameras to the recorder.

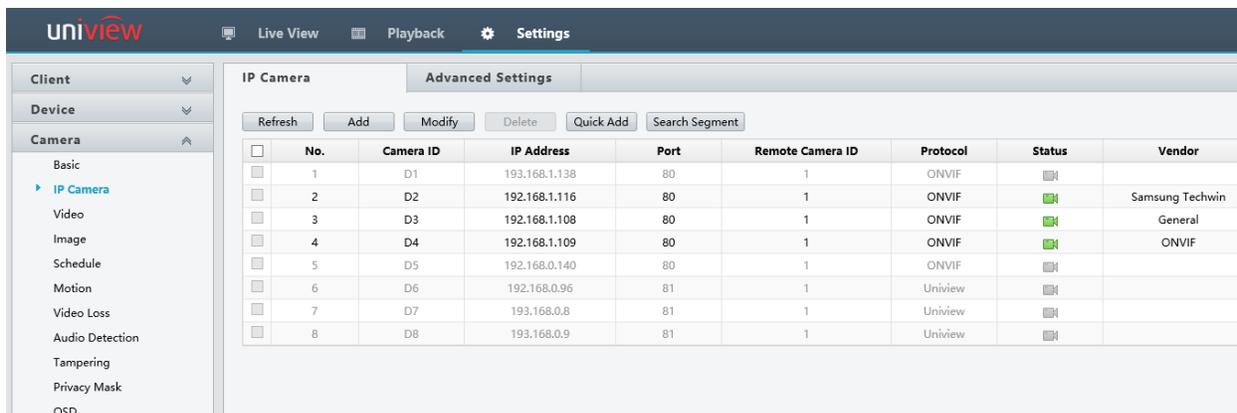
## ADDING YOUR CAMERAS

1. Adding your cameras can be done from the recorder directly and from the recorder's web service. WEC techs suggest adding cameras over the web browser for this situation.
  - a. Once you open the recorders webservice and login. Open the Setup page and navigate to the "Camera > IP Camera" Menu. This menu is where you can add your cameras to the recorder, change the channel spots from built in PoE plug and play to manual add, and change some cameras IP address.
2. Check off one of the channels check boxes and then click the "Modify" button at the top of the menu. In the opening menu you can change the "Add mode" from Plug-and-play if needed to manual. Type in your cameras preset IP address, username, password, and HTTP port. When adding a camera make sure to always select "ONVIF" as the protocol.



Note: Extended Transmission is for Uniview camera only and should not be turned on for 3<sup>rd</sup> party cameras.

- Once the camera information has been inputted click the save button to return to the added IP camera list menu. Once returned to the menu click "Refresh" at the top of the menu in order to check the cameras connection status.



The image above depicts three 3<sup>rd</sup> party cameras that we have added to our Uniview recorder. The cameras we used in this tutorial were a Samsung box camera, an iMaxCamPro bullet camera, and a Hikvision turret dome camera.

## REASONS WHY A CAMERA MAY NOT CONNECT

1. The protocol was not set to "ONVIF"
2. The camera is not ONVIF compliant
3. The IP address was entered incorrectly
4. The HTTP port was entered incorrectly
5. The camera is not compatible with the recorder. This can sometimes be resolved by updating the recorder and camera firmware to the newest.
6. The network is not properly setup at the local level. This means that the IP address of any device could be on the incorrect subnet, the IP is conflicting with another device, or the network is not properly wired/connected.

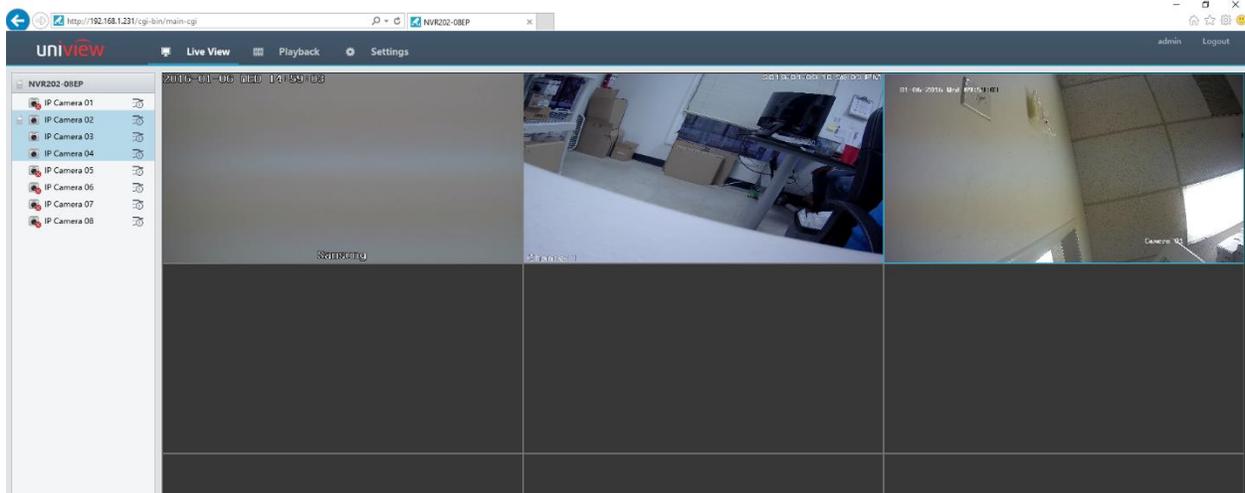
## EXTRA INFORMATION

1. When in the "Camera > IP Camera" menu the "Quick Add" button will automatically scan the network and find IP Cameras on it. Most of the time this can find 3<sup>rd</sup> party cameras and they can be added to the recorder in bulk instead of manually typing in each camera's IP address. This menu will also let you check to see if the recorder can change a camera's IP address to not from the NVR. If a camera does support this feature there will be a "Config pencil" under the "Edit" column.

Quick Add IP Camera									
<input type="checkbox"/>	Status	IP	Config	Port	Qty	Protocol	Vendor	Device Model	Device Serial No.
<input checked="" type="checkbox"/>		192.168.1.109		80	1	ONVIF		CMIP3042W-28	CMIP3042W-2820150918BB...
<input type="checkbox"/>		192.168.1.116		80	1	ONVIF	SNB-6004	SNB-6004	
<input type="checkbox"/>		192.168.1.138		80	1	ONVIF	Bosch	DINION_IP_starlight_7000_HD	
<input type="checkbox"/>	Added	192.168.1.108		80	1	ONVIF		IP Camera	WIIR230T_W00284

## FINAL RESULT

Here is the live view after adding the 3<sup>rd</sup> party cameras and making sure that their status is green (connected) and the recorder has pulled all the camera information.



The first channel is the Samsun Box camera, the second camera is the iMaxCamPro Bullet, and the last camera is the Hikvision Turret.