

How to Add Cameras Connected to NVR

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Login

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Type in your browser address line:

<http://vmsadmin.localsecurity.org>

Sign in using your login and password.

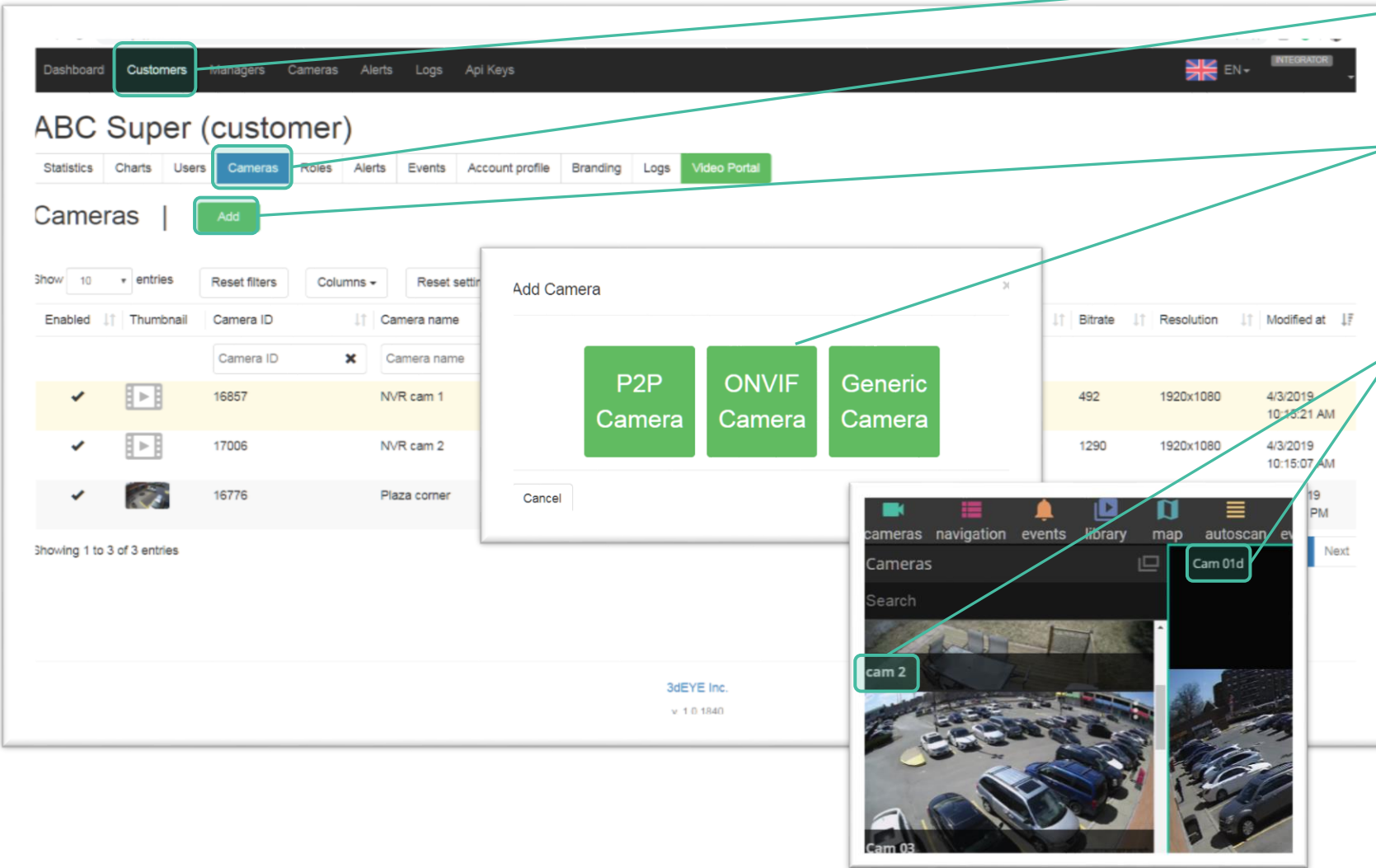
Add Camera Connected to NVR

From menu Customers select a customer and go to Cameras tab to access the list of cameras. Both NVR and non NVR connected cameras will be listed here.

Click **Add** and select **ONVIF Camera** option to add cameras that are connected to the NVR. Repeat this for each camera that is connected to the NVR. As a result you will have multiple copies of NVR in the list.

Next open each copy and select an appropriate [streaming channel](#) under [Quality Tab](#) to finish configuration. This step defines what camera will be shown in the portal under the specified name.

IMPORTANT notice: NVRs are prone to dropping connection to outside services causing cloud service shortages. For a higher reliability we recommend to connect cameras to a POE switch, instead of directly to the NVR, then connecting cameras to NVR through a local network. This configuration ensures that any shortages on the NVR will not influence the cloud stream. [Page 8](#) shows recommended connection scheme.



Input access URL and corresponding port numbers for NVR. This is **different** than for individual cameras. Consult NVR manufacturer user manual to determine the correct procedure to setup access ports on it.

Use user name and password for ONVIF account of NVR, NOT camera. For some NVRs ONVIF users have to be created separately.

Create a name for the camera and add a description for it.

Adjust initial quality settings.

Click create.

Repeat these steps for all cameras that are connected to NVR. Use same address, port and credentials for all.

Note 1: You will need to repeat this process for every camera that is connected through the NVR. Access URL, port numbers and login credentials will be the same for all camera, though do create different camera names.

Note 2: Make sure that [ONVIF access](#) is enabled on NVR.

Add Camera

If you provide an onvif access for a camera, we can read all settings and setup the camera automatically

HTTP access url port

RTSP port

Username

Password

Confirm Password

Camera name

Description

Quality preset Bitrate Quality

Configure NVR

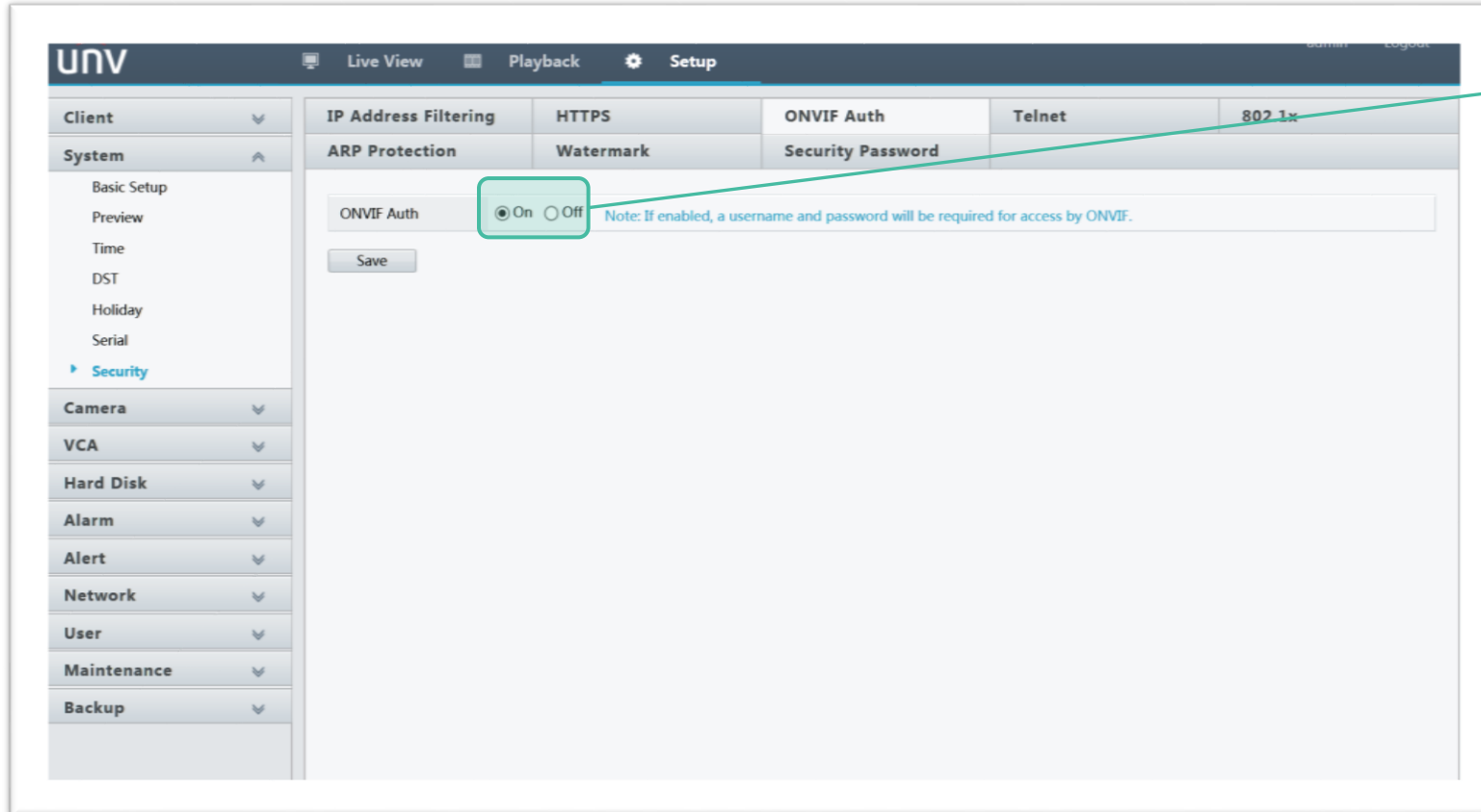
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Turn On and configure ONVIF access to the NVR.

Typically you will need to go to Security or Network settings page and locate ONVIF menu. For some NVR models ONVIF user has to be created first.

Consult the NVR manufacturer user manual for specific procedure steps.

Stream Channels Setup

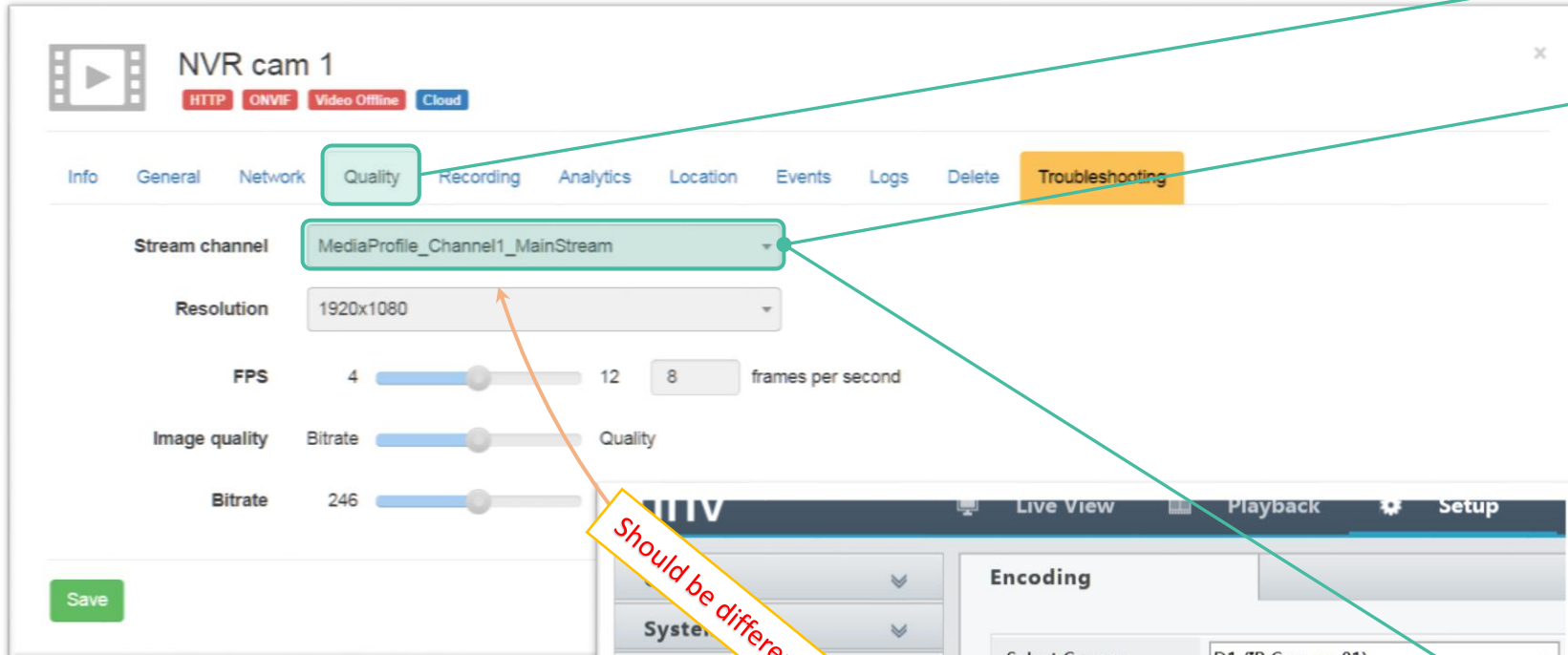
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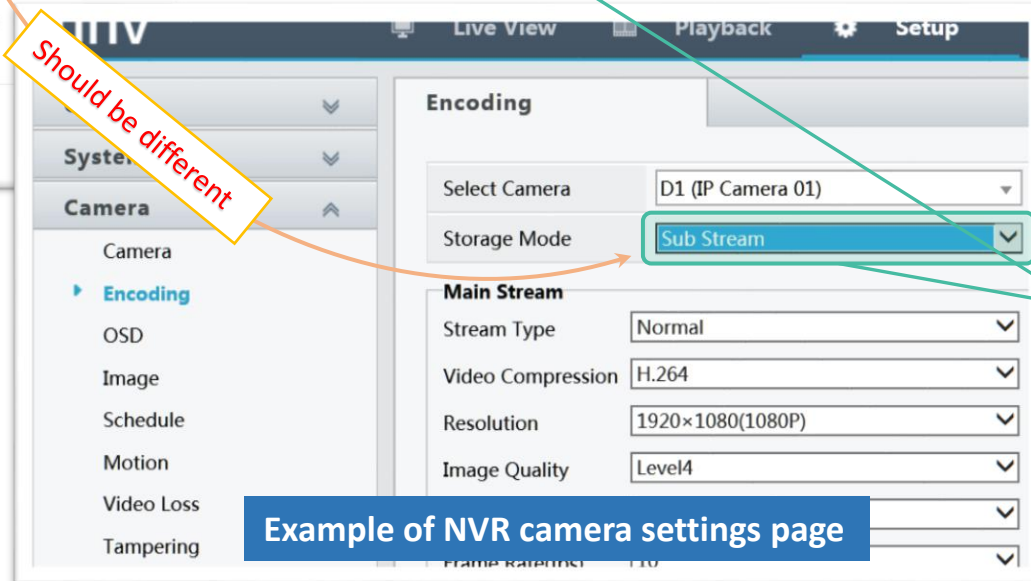
From the [Camera settings page](#) select camera and go to Quality tab.

Select stream channel. After the camera is created a first stream profile from the NVR is assigned as default. Typically, each camera has 2 stream channels: high and low quality.

Depending on the settings of the NVR number of available channels will be different. Consult NVR manufacturer manual to determine the naming sequence for cameras connected to NVR.

3dEYE allows you to adjust camera quality settings directly from the admin panel. Adjust the settings and click save to transmit new settings to the camera.

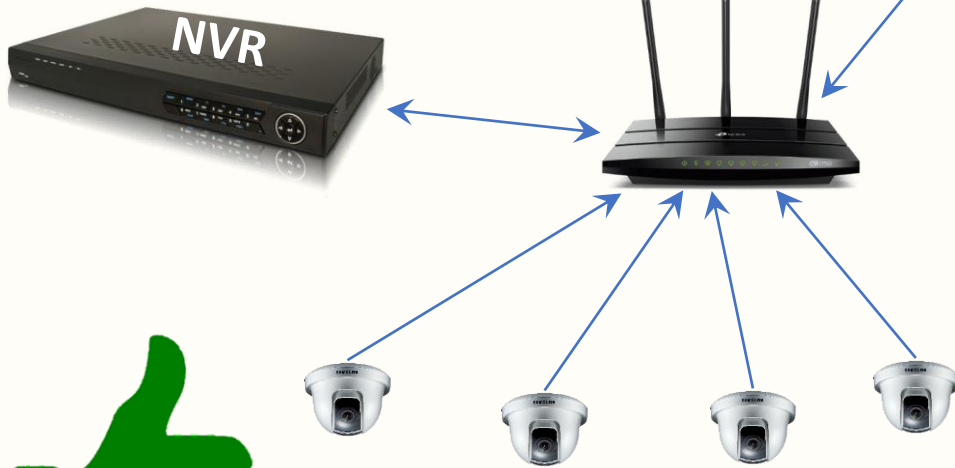
Should be different



IMPORTANT Note: If the same camera is sending video stream to a multiple devices (3dEYE is one, NVR is the second) make sure that each device/service is using a different stream channel, otherwise there will be a conflict in camera settings that can result in a dropped connection or other issues.

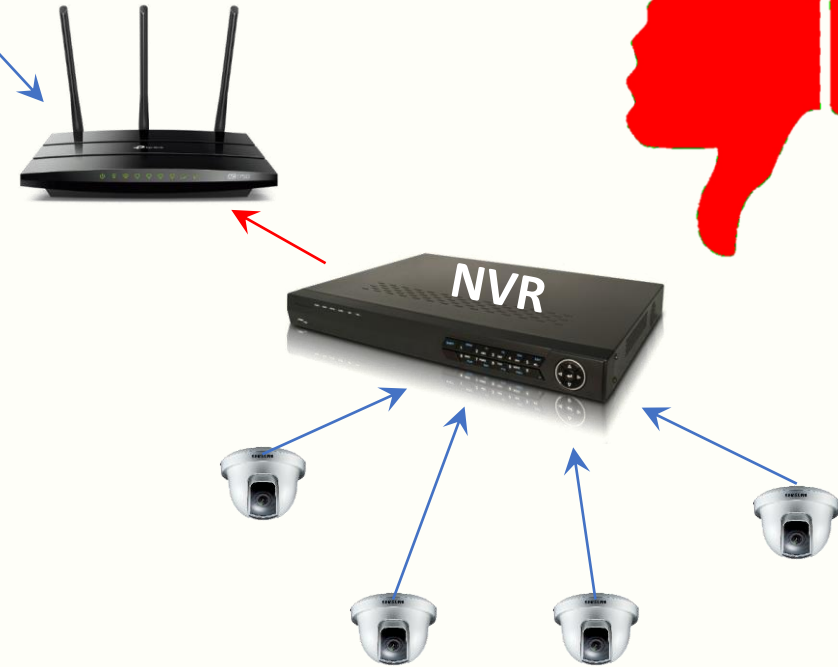
Recommended Connection Scheme

Recommended configuration



Cameras have direct path to the cloud. In the event of NVR failure cameras will still have remote access and cloud archive available, only local archive will be affected. In this configuration configure cameras as normal in Local Security, P2P is recommended.

Possible, but not recommended configuration



Cameras are connected through NVR. In the event of any NVR shortage remote access to the cameras and cloud archive will be lost for the duration of shortage. Only ONVIF compliant NVR can be connected using this scheme.