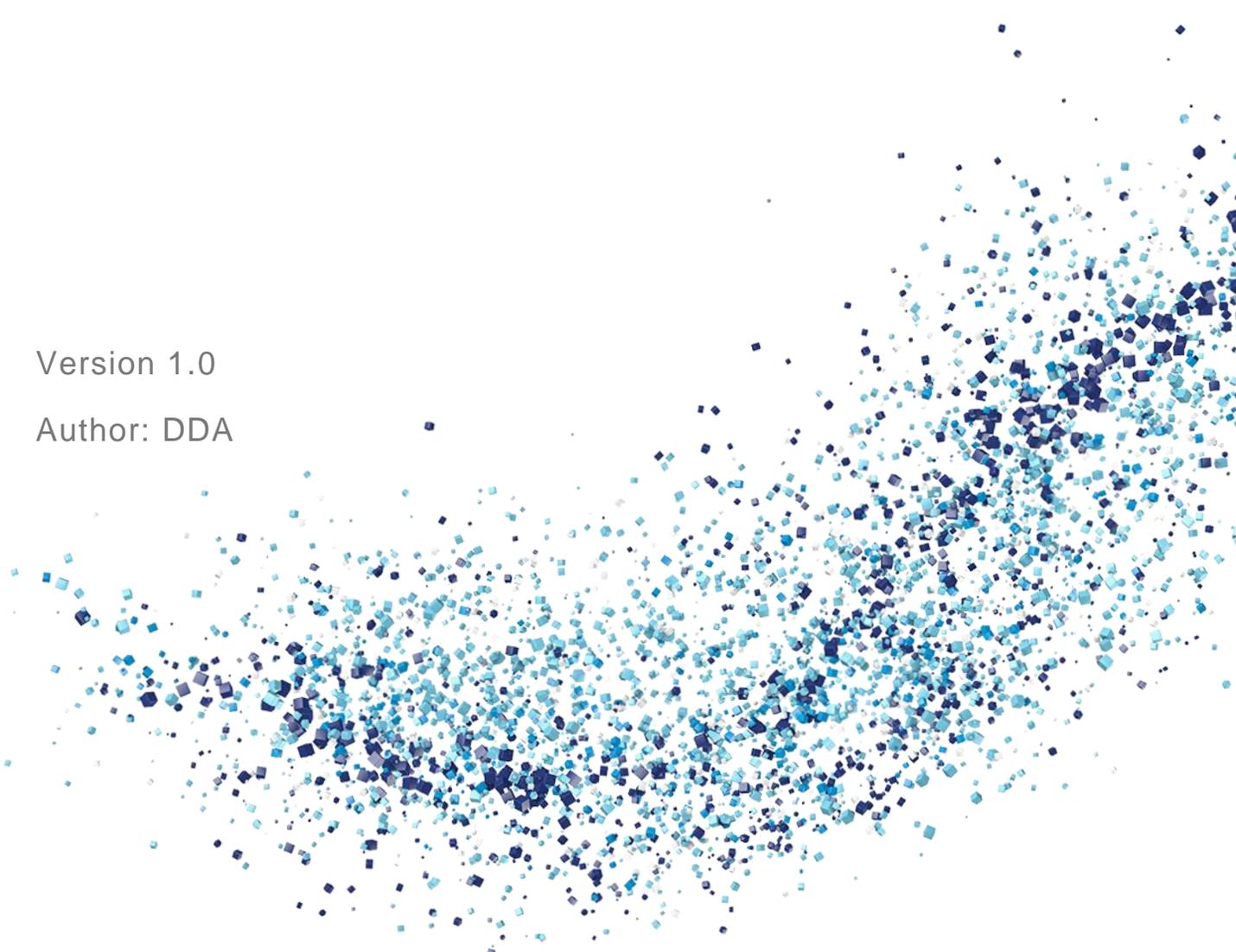


INTEGRATION OF NETWORK CAMERAS IN D-LAB

Version 1.0

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ERGONEERS
FROM SCIENCE TO INNOVATION



IP-Cameras in D-Lab

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1. General Hardware Setup

Setup of the overall system:

- connect network cams via network cable to PoE-Switch
- connect D-Lab computer via network cable to PoE-Switch
- provide PoE-Switch with energy.
-

The D-Lab Computer and the Network-Cameras should be set to a common IP-Address-Space. The D-Lab computer needs to have a fixed IP-Address. Suggestion:

- D-Lab IP: 192.168.10.100
- Camera1: 192.168.10.50
- Camera2: 192.168.10.51
- ...

Firewalls should be turned off on both computers and no Anti-Virus software or decrypted harddrives should be used. It should be possible to ping the Cameras from the D-Lab computer via the Command-Interface of Windows.

2. Camera Configuration (IP-Adress)

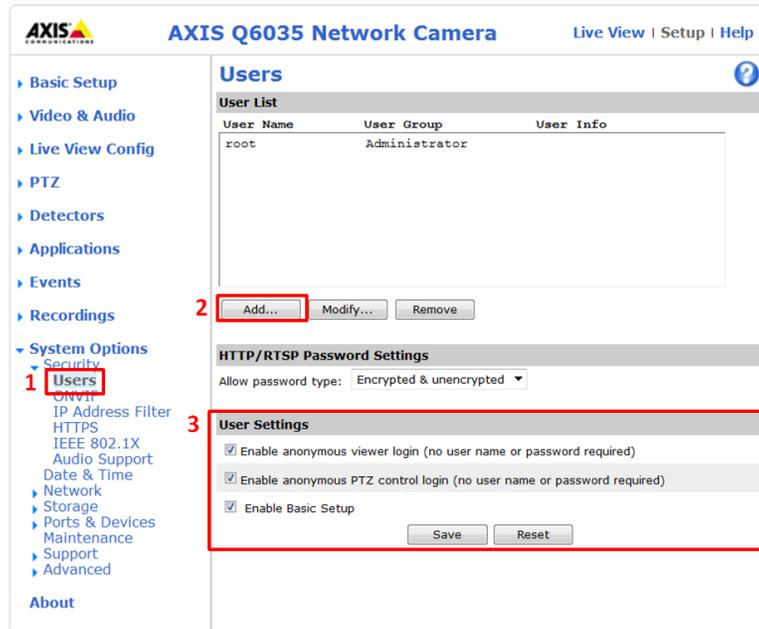
Use the Axis IP Utility Tool (please see manufacturers guide for further information) to access the single cameras.

- Run IP Utility Tool → Application shows all connected Cameras
- Double Click on a certain camera to open it via browser (alternatively type IP-Address of the camera into the address-line your browser)
- Change from live Visualization to “Setup” → The following window should appear

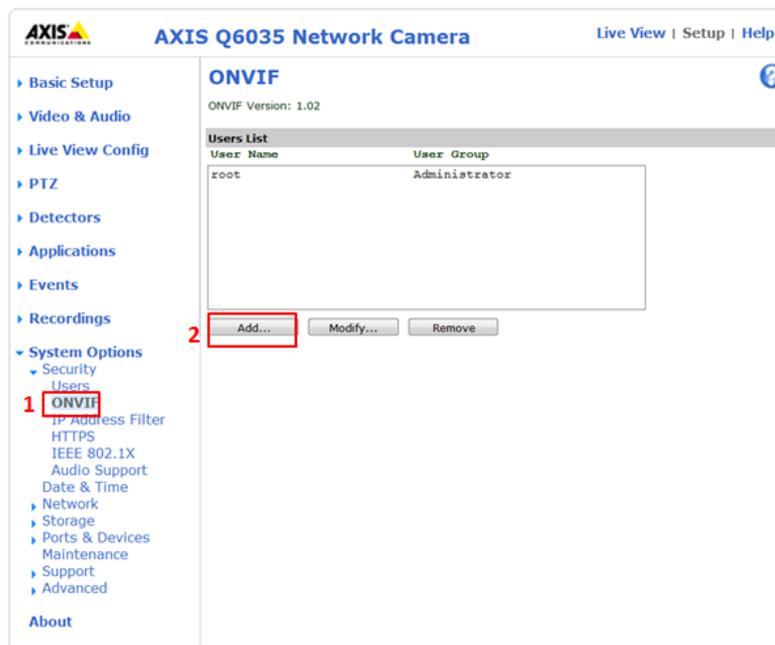
- Assign an IP Address to the Camera (Suggestions see above)
 - (1) Go to Basic Setup → TCP/IP
 - (2) Select “Use the following IP Address”
 - (3) Click on Save

3. Set remote access configuration for D-Lab

- Add a User
 - (1) Go to System Options → Users
 - (2) Add a User with the Login “root” and the password “root”
 - (3) Click on Save



- Add an Onvif-User
 - (1) Go to System Options → ONVIF
 - (2) Add a User with the Login “root” and the password “root”



4. Set D-Lab Configuration

- Go to Plan-Mode
- Add an Onvif-Video Source (1)
- Give the Video Source a name of your choice
- Fill in the Username and Password of the ONVIF User created above (suggestion: root / root)
- Fill in the IP Address of the Camera

