

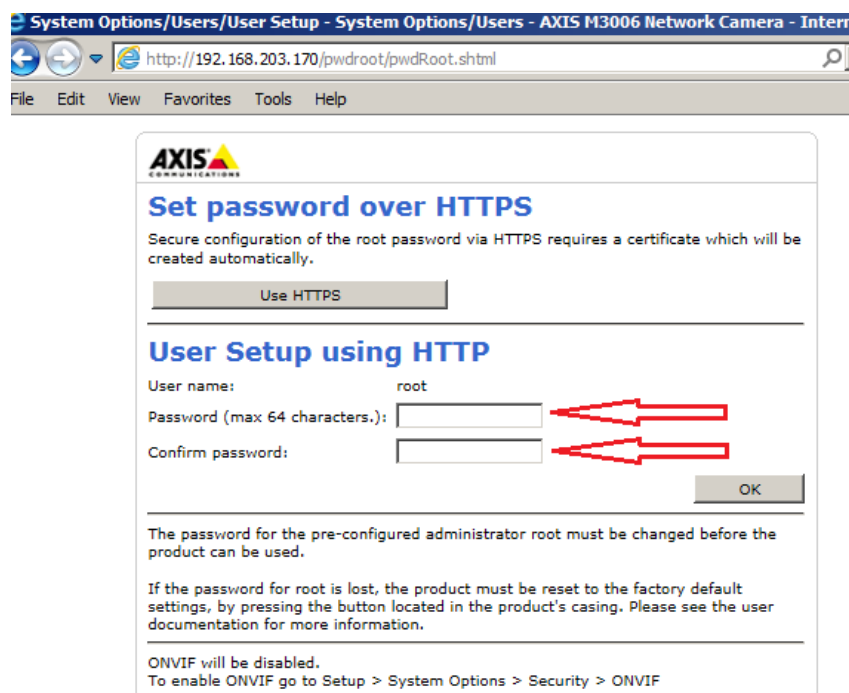
Axis Camera ONVIF Configuration - Uniview

NOTE: Axis M3006 camera was used to test this scenario. Different Axis camera models may vary

1. Upgrade the Axis camera to the latest firmware - <https://www.axis.com/support/firmware>

Log into camera via Internet Explorer – System Options – Maintenance – Browse to FW file – Upgrade

2. Once FW upgrade complete, login to camera using Internet Explorer. Set default password for root account



System Options/Users/User Setup - System Options/Users - AXIS M3006 Network Camera - Internet Explorer

http://192.168.203.170/pwdroot/pwdRoot.shtml

File Edit View Favorites Tools Help

AXIS COMMUNICATIONS


Set password over HTTPS


Secure configuration of the root password via HTTPS requires a certificate which will be created automatically.

Use HTTPS

User Setup using HTTP

User name: root

Password (max 64 characters.): 

Confirm password: 

OK

The password for the pre-configured administrator root must be changed before the product can be used.

If the password for root is lost, the product must be reset to the factory default settings, by pressing the button located in the product's casing. Please see the user documentation for more information.

ONVIF will be disabled.
To enable ONVIF go to Setup > System Options > Security > ONVIF

3. Set the Capture Mode to 1080P (2MP)



AXIS COMMUNICATIONS

Configure capture mode

Capture Mode: 

OK

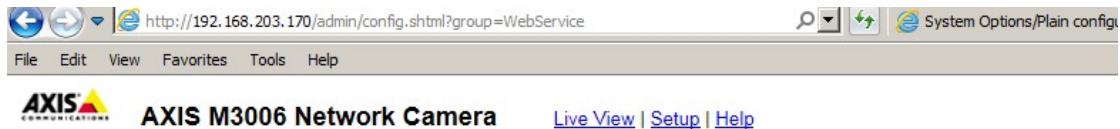
Capture mode defines how the image data will be taken with a priority given to either resolution or frame rate.

Note: The Capture mode is intended to be set the first time the camera is configured. If changed later, some settings will be either removed or reset.

4. Disable WebService UsernameToken

Click on “Advanced” – “Plain Config” – Select “WebService” from the dropdown menu. Click “Select Group”

Untick the box next to “Enable replay attack protection”. Click “Save”. Then click on setup on the top of the screen




The plain config page allows direct access to all the configurable parameters supported by the AXIS M3006 Network Camera. This page uses no extra scripts (Javascript or otherwise) and should function correctly in any browser or PDA. Select the parameter group to modify and configure the settings directly.

For help on parameters, please refer to the relevant help page available from the standard setup tools. Select a group of parameters to modify:

WebService

WebService

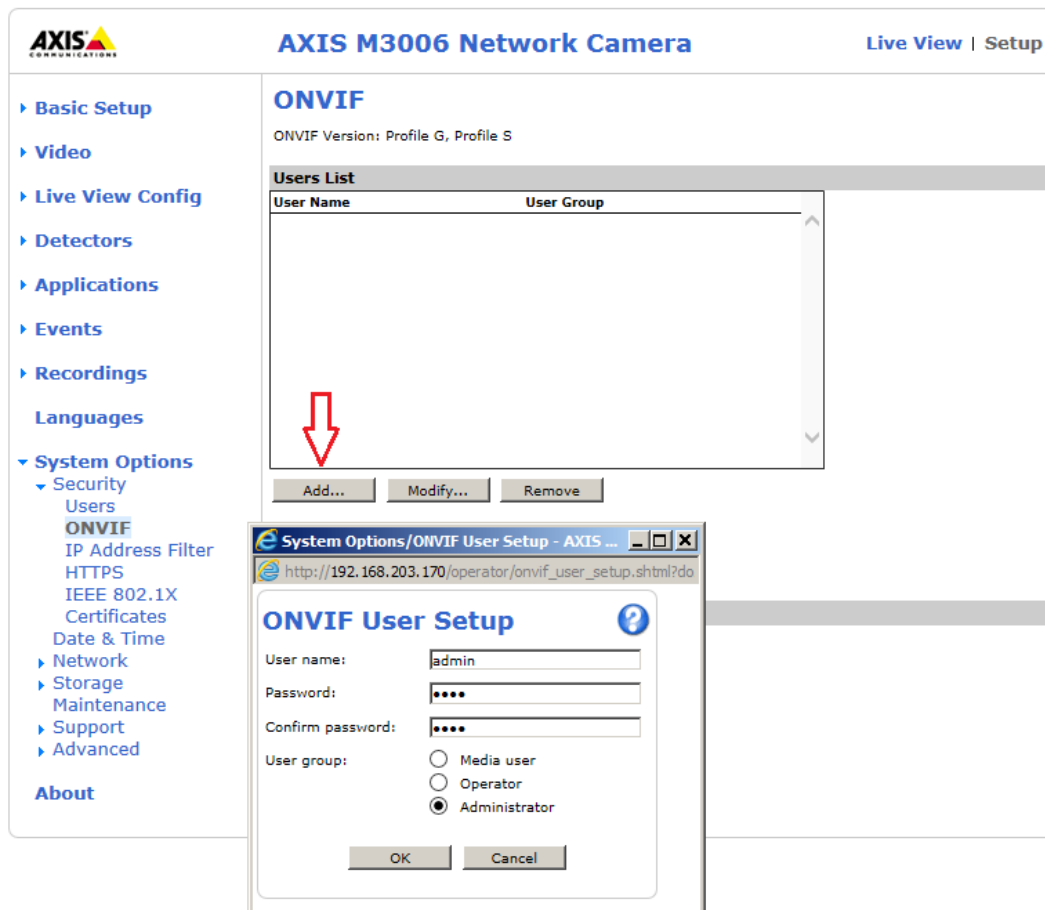
WebService UsernameToken:

Enable replay attack protection: 

Save page changes:

5. Create an ONVIF login account with administrator privileges

Click “Security Options” – “ONVIF”. Click “Add” e.g admin – password: pass



ONVIF
ONVIF Version: Profile G, Profile S

Users List

User Name	User Group
(Empty table)	

ONVIF User Setup

User name:

Password:

Confirm password:

User group:

Media user

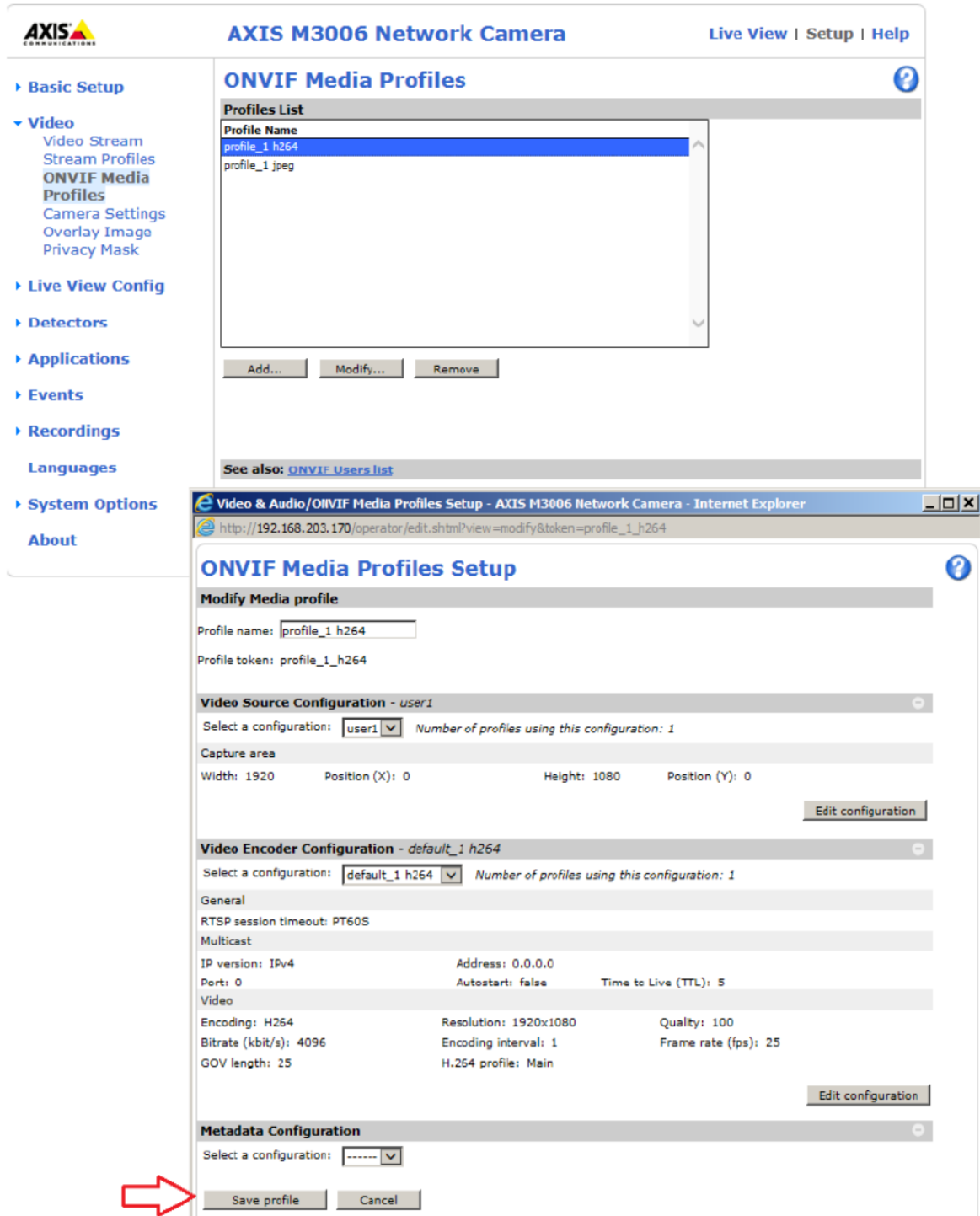
Operator

Administrator

6. Modify the ONVIF Media Profiles

Click on "Video"->"ONVIF Media Profiles"->Modify profile_h264 (mainstream profile) and profile_jpeg (substream). Save Configuration-Save Profile

Mainstream Example



The screenshot displays the web interface for an AXIS M3006 Network Camera. The main navigation menu on the left includes sections like Basic Setup, Video, Live View Config, Detectors, Applications, Events, Recordings, Languages, System Options, and About. The 'ONVIF Media Profiles' section is active, showing a list of profiles. The 'profile_1_h264' profile is selected, and its configuration is shown in a detailed view. This view includes fields for Profile name and Profile token, and sections for Video Source Configuration, Video Encoder Configuration, and Metadata Configuration. A red arrow points to the 'Save profile' button at the bottom of the configuration window.

Substream Example:

The screenshot displays the configuration interface for an AXIS M3006 Network Camera. The top section, titled 'ONVIF Media Profiles', shows a list of profiles: 'profile_1_h264' and 'profile_1_jpeg'. Below the list are buttons for 'Add...', 'Modify...', and 'Remove'. A link 'See also: ONVIF Users list' is provided.

The bottom section, titled 'ONVIF Media Profiles Setup', is for editing the 'profile_1_jpeg' profile. It includes the following configuration options:

- Modify Media profile:** Profile name: profile_1_jpeg, Profile token: profile_1_jpeg
- Video Source Configuration - user0:** Select a configuration: user0 (Number of profiles using this configuration: 1). Capture area: Width: 640, Position (X): 0, Height: 360, Position (Y): 0. Edit configuration button.
- Video Encoder Configuration - mobile h264:** Select a configuration: mobile h264 (Number of profiles using this configuration: 1). General: RTSP session timeout: PT60S. Multicast: IP version: IPv4, Address: 0.0.0.0, Port: 0, Autostart: false, Time to Live (TTL): 5. Video: Encoding: H264, Resolution: 640x360, Quality: 60, Bitrate (kbit/s): 512, Encoding interval: 1, Frame rate (fps): 15, GOV length: 25, H.264 profile: Baseline. Edit configuration button.
- Metadata Configuration:** Select a configuration: -----

At the bottom of the setup page are 'Save profile' and 'Cancel' buttons.

7. Add camera to Unview Recorder.

Add camera to uniview NVR using the ONVIF protocol and onvif credentials created previously in step 5. When adding multiple cameras ensure that the **remote camera ID**: is set to **1** for each camera. Refer to images below

UNV Live View Playback Setup

Client System Camera

Camera

Encoding OSD Image Schedule Motion Video Loss Tampering

Camera Advanced

Auto Switch to H.265 On Off Note: Effective when first connected

Auto Switch to U-Code Note: Effective when first connected

Refresh **Modify** Auto Search Search Segment

No.	Camera ID	Address	Port	Remote Camera ID	Protocol
1	D1	172.16.0.2	80	1	Uniview
2	D2	192.168.20.134	80	1	ONVIF
3	D3	172.16.0.4	80	1	Uniview
4	D4	172.16.0.5	80	1	Uniview

UNV Live View Playback Setup

Client System Camera

Camera

Encoding OSD Image Schedule Motion Video Loss Tampering Privacy Mask Snapshot Human Body Detection

Camera Advanced

Add Mode

Protocol

IP Address

Port

Username

Password

Remote Camera ID

Extended Transmission On Off

Search Save Cancel