Quick Guide – MOBOTIX NAS & MOVE/ONVIF Cameras

Setting up MOBOTIX NAS/MxManagementCenter Using **MOVE/ONVIF** Cameras

MOBOTIX NAS
2-Bay/8 Channels
MOBOTIX NAS
4-Bay/16 Channels
MOBOTIX NAS
8-Bay/32 Channels

V 08.05.20

BeyondHumanVision

General Information (1)

This document is valid for the following MOBOTIX NAS models

Product Name	Item Number	Product Label
MOBOTIX NAS 2-Bay/8 Channels	Mx-S-NAS2a-8	251-G
MOBOTIX NAS 4-Bay/16 Channels	Mx-S-NAS4A-16	451-G
MOBOTIX NAS 8-Bay/32 Channels	Mx-S-NAS8A-32	873U-G

Minimum requirements for software versions

- MOBOTIX NAS: Mx-NAS2-4A-4.3.4.0807, Mx-NAS8A-4.3.4.0807, ContainerStation 1.8.3.207, MOBOTIX NAS QVRProServer 1.2.1.0 (see MOBOTIX NAS Quick Install)
- MOBOTIX MOVE: SD1A → MB20181025RS, BC1A/VD1A → MB20181025RP
- MxManagementCenter: 2.2+

IMPORTANT: We recommend updating all system components to the latest software releases. Please download the latest releases of MxMC, MOBOTIX NAS, and MOBOTIX MOVE cameras from the MOBOTIX website www.mobotix.com:

- Support > Download Center > Software Downloads

General Information (2)

Video Tutorials are available from the MOBOTIX website www.mobotix.com:

- Support > Download Center > Documentation > Video Tutorials

The **MOBOTIX NAS HDD Compatibility List** is available from the MOBOTIX website www.mobotix.com:

- Support > Download Center > Documentation > White Lists

A Note on Licensing

MxManagementCenter can show MOBOTIX IoT and MOVE cameras “as is”, i.e., without any further licensing. For bandwidth-optimized usage and professional applications, it is highly recommended to use **H.264** (requires a license for MxManagementCenter).

For more information on licensing models, please read the **Compact Guide MxMC 2.0** from the MOBOTIX website www.mobotix.com:

- Support > Download Center > Documentation > Brochures & Guides
- Only one Starter License per MxMC required to enable H.264

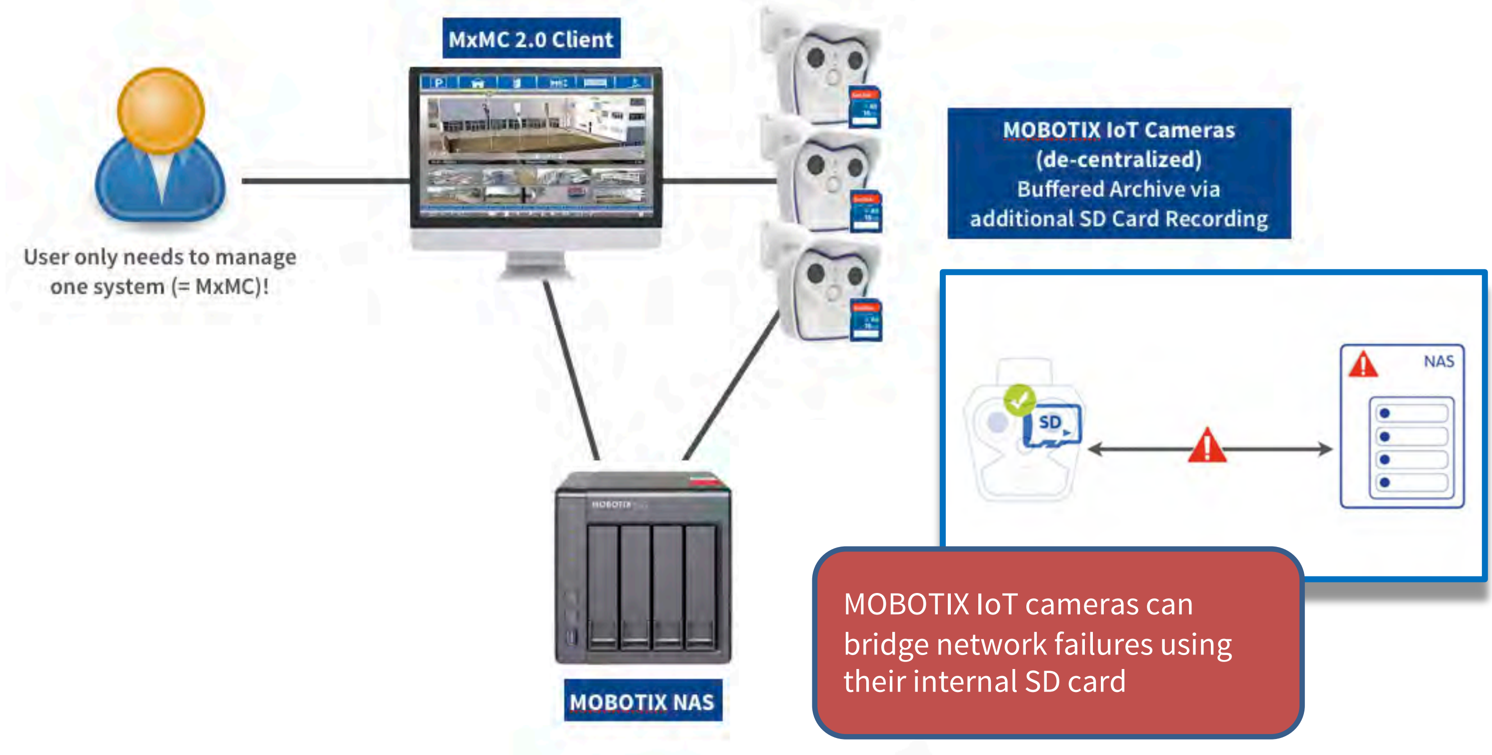
Password Security!

- **NEVER use the default access privileges!** Always make sure that you have changed the default passwords to strong passwords (numbers, lower/upper case letters, special characters)!
- The **default user** of the MOBOTIX NAS is “**admin**” and the **password** is “**admin**”.
- The **default user** of the MOBOTIX Cameras is “**admin**” and the **password** is “**meinsm**”.

Motivation

The objective of this document is to set up a MOBOTIX NAS as a **storage device** for **MOBOTIX Move-Kameras bzw. ONVIF-Kameras**.

The **MOBOTIX NAS QVRProServer** recording software is required for recording from **MOBOTIX Move-Kameras bzw. ONVIF-Kameras** on the NAS. For most efficient configuration of camera settings, use the **Advanced Configuration** feature of MxManagementCenter.



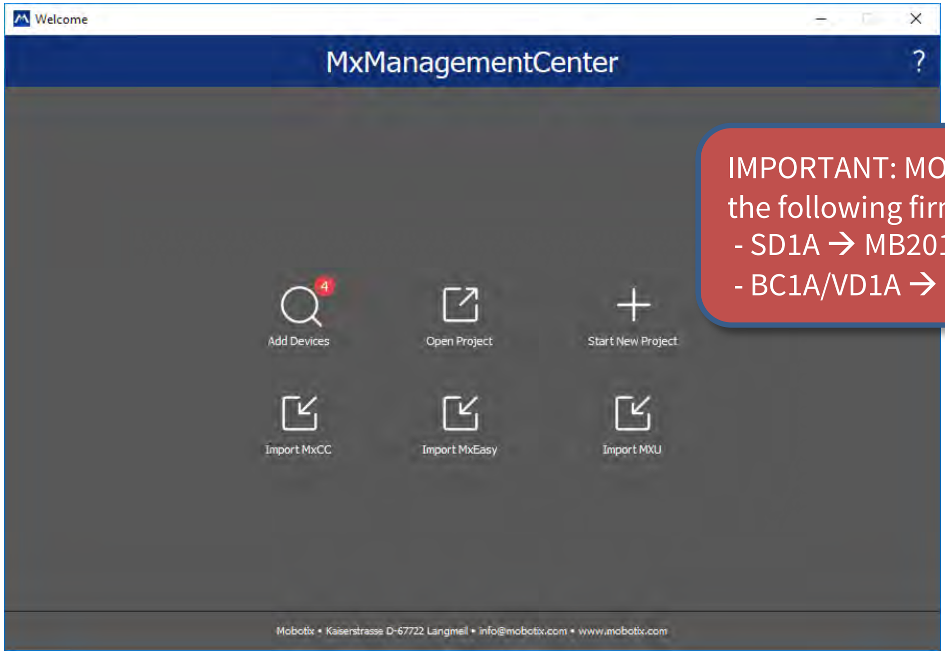
MxMC 2.0 Client
User only needs to manage one system (= MxMC)!
MOBOTIX IoT Cameras (de-centralized)
Buffered Archive via additional SD Card Recording
SD
NAS
MOBOTIX NAS

MOBOTIX IoT cameras can bridge network failures using their internal SD card

Step 1 – Add ONVIF S Cameras to MxManagementCenter

1. Start **MxManagementCenter**.

2. Start the **Welcome Wizard** by clicking on **File > Welcome** in the menu bar.

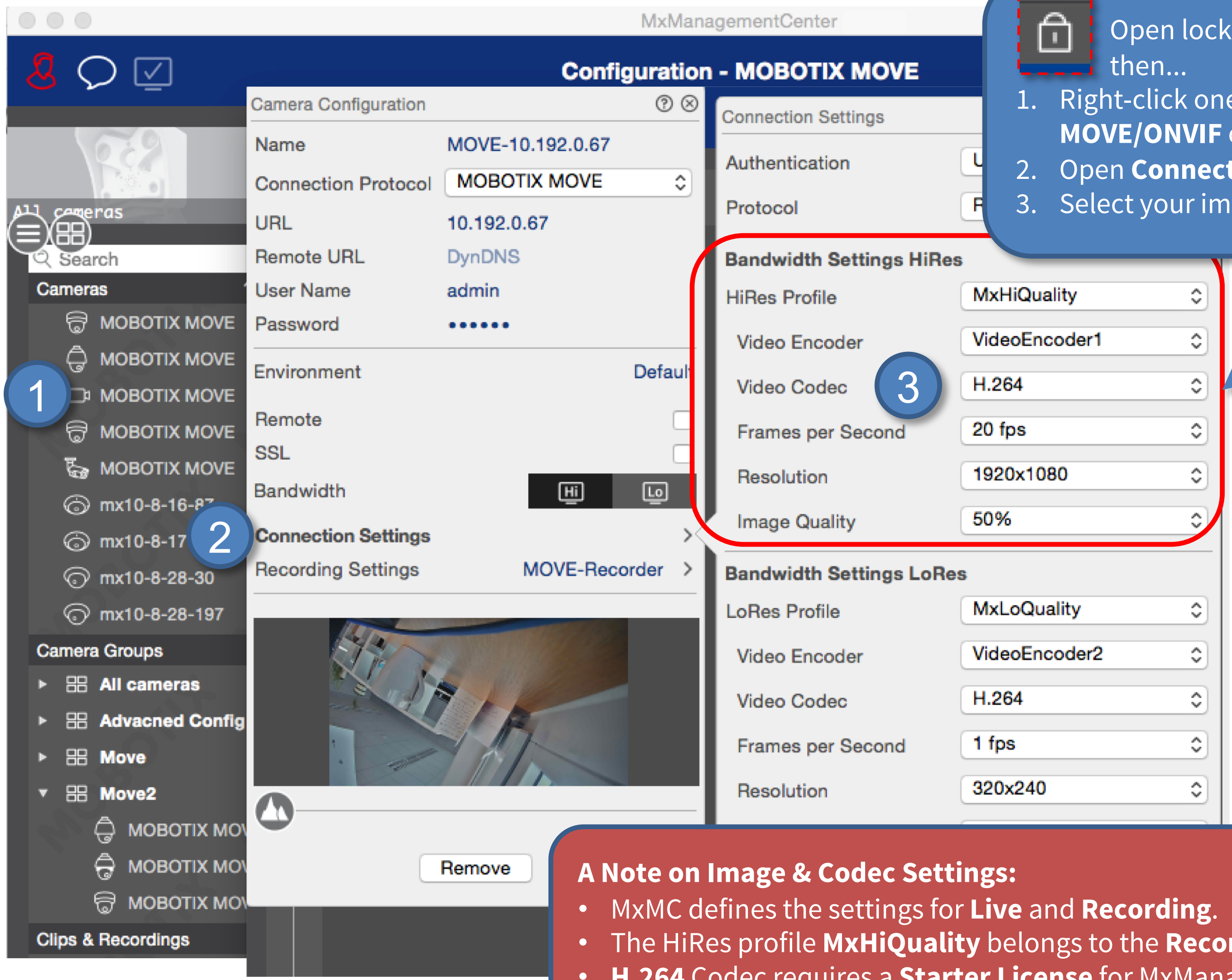

Welcome
MxManagementCenter
?
4
Add Devices
Open Project
Start New Project
Import MxCC
Import MxEasy
Import MXU
Mobotix • Kaiserstrasse D-67722 Langmeil • info@mobotix.com • www.mobotix.com

IMPORTANT: MOBOTIX MOVE cameras require the following firmware version (or newer) :
- SD1A → MB20181025RS
- BC1A/VD1A → MB20181025RP

3. Click on **Add Devices**. Then select the desired ONVIF S-compliant cameras you'd like to add to MxMC. **Note:** It can take up to ten minutes to find an ONVIF camera. As an alternative, you can manually add the cameras to the list by clicking the "**+**" icon in the control bar.

4. Enter the access privileges. You need access privileges of a user with ONVIF administration level access. For MOBOTIX MOVE cameras, the admin user in the camera's web interface is also the ONVIF admin. For other camera brands (e.g., Axis), the roles for web interface admin and ONVIF admin are separate.

Step 2 – Adjust the Image Settings for Live and Recording


MxManagementCenter
Configuration - MOBOTIX MOVE
All cameras
Search
Cameras
MOBOTIX MOVE
MOBOTIX MOVE
MOBOTIX MOVE
MOBOTIX MOVE
MOBOTIX MOVE
mx10-8-16-87
mx10-8-17
mx10-8-28-30
mx10-8-28-197
Camera Groups
All cameras
Advacned Config
Move
Move2
MOBOTIX MO
MOBOTIX MO
MOBOTIX MO
Clips & Recordings
1
2
3
Remove
Hi
Lo

Camera Configuration

Name	MOVE-10.192.0.67
Connection Protocol	MOBOTIX MOVE
URL	10.192.0.67
Remote URL	DynDNS
User Name	admin
Password	••••••
Environment	Defaul
Remote	☐
SSL	☐
Bandwidth	Hi / Lo
Connection Settings	>
Recording Settings	MOVE-Recorder >

Connection Settings

Authentication	U
Protocol	F

Bandwidth Settings HiRes

HiRes Profile	MxHiQuality
Video Encoder	VideoEncoder1
Video Codec	H.264
Frames per Second	20 fps
Resolution	1920x1080
Image Quality	50%

Bandwidth Settings LoRes

LoRes Profile	MxLoQuality
Video Encoder	VideoEncoder2
Video Codec	H.264
Frames per Second	1 fps
Resolution	320x240

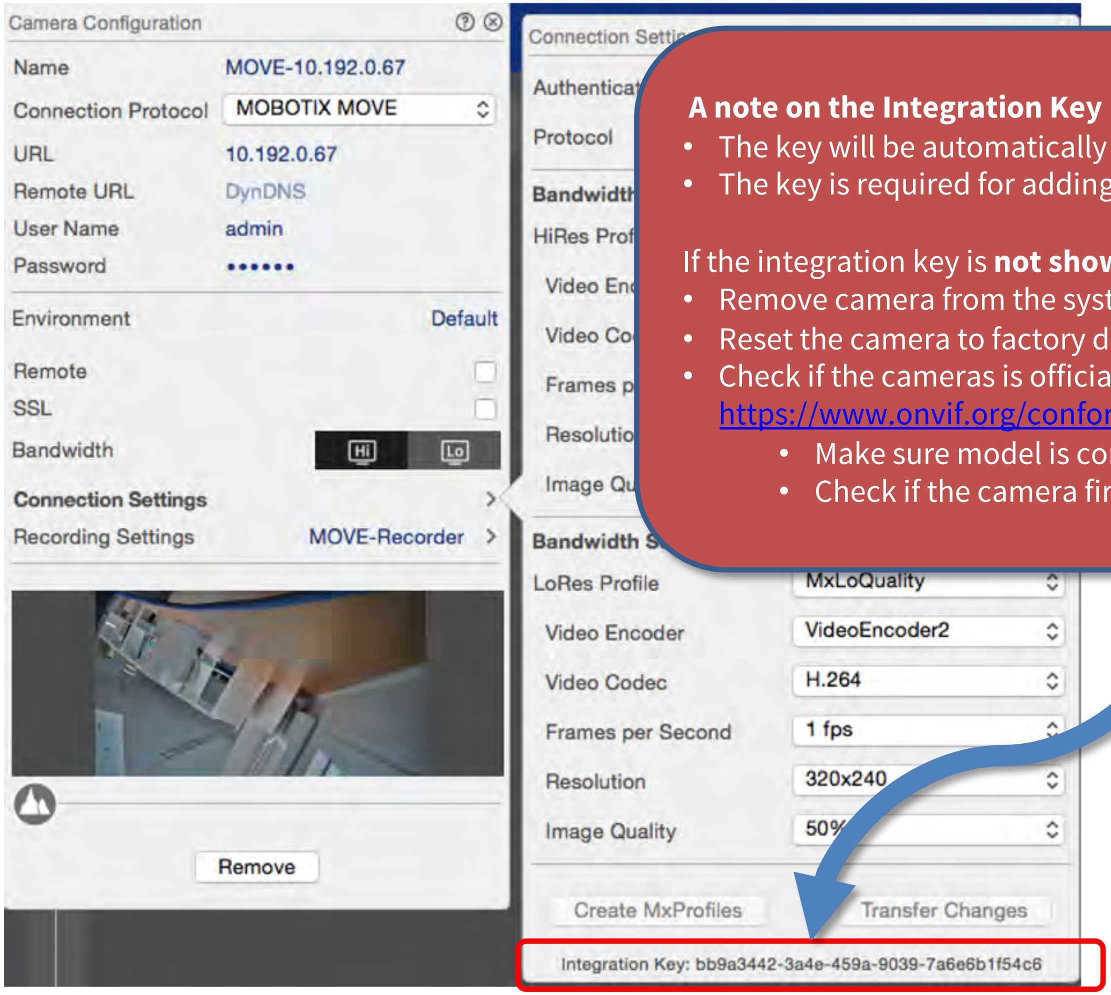
Open lock icon to enter edit mode, then...

1. Right-click one or more selected **MOVE/ONVIF** cameras.
2. Open **Connection Settings**.
3. Select your image and codec settings.

A Note on Image & Codec Settings:

- MxMC defines the settings for **Live** and **Recording**.
- The HiRes profile **MxHiQuality** belongs to the **Recording** settings of the NAS.
- **H.264** Codec requires a **Starter License** for MxManagementCenter.

Step 3 – Check the Integration Key



Camera Configuration

Name: MOVE-10.192.0.67
Connection Protocol: MOBOTIX MOVE
URL: 10.192.0.67
Remote URL: DynDNS
User Name: admin
Password: ••••••

Environment: Default
Remote ☐
SSL ☐
Bandwidth: Hi Lo

Connection Settings >
Recording Settings: MOVE-Recorder >

Remove

Connection Setti
Authenticat
Protocol
Bandwidth
HiRes Prof
Video En
Video Co
Frames p
Resolutio
Image Qu
Bandwidth S

LoRes Profile: MxLoQuality
Video Encoder: VideoEncoder2
Video Codec: H.264
Frames per Second: 1 fps
Resolution: 320x240
Image Quality: 50%

Create MxProfiles
Transfer Changes

Integration Key: bb9a3442-3a4e-459a-9039-7a6e6b1f54c6

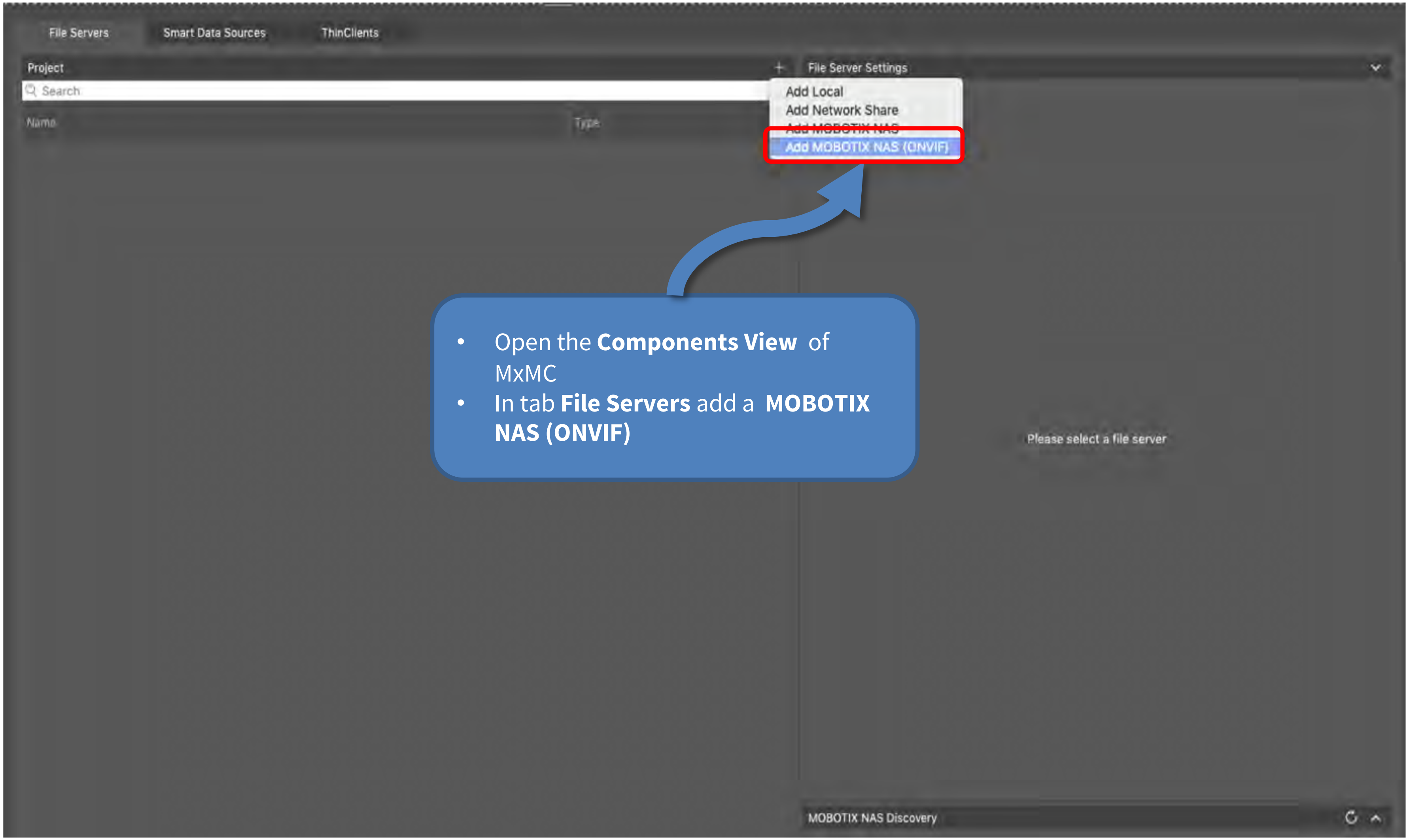
A note on the Integration Key

- The key will be automatically set while adding the camera.
- The key is required for adding the camera in the MOBOTIX NAS.

If the integration key is **not shown below**, please try the follow steps:

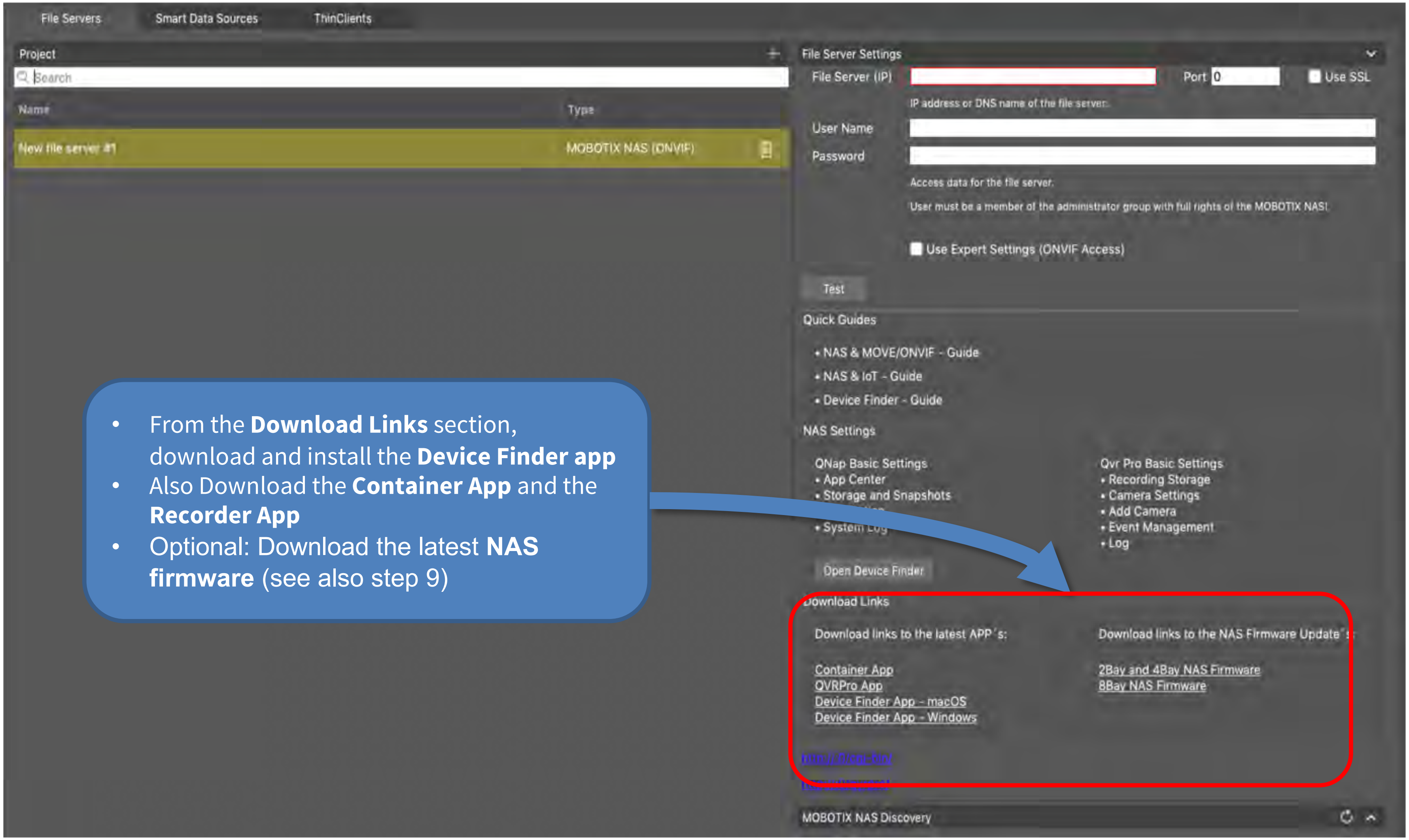
- Remove camera from the system and add it again!
- Reset the camera to factory defaults and add the camera again.
- Check if the cameras is officially registered as an ONVIF S client at https://www.onvif.org/conformant-products/
  - Make sure model is conforming (using exact model name).
  - Check if the camera firmware release is conforming.

Step 4: Adding NAS in MxManagementCenter (1)


File Servers
Smart Data Sources
ThinClients
Project
Search
Name
Type
File Server Settings
Add Local
Add Network Share
Add MOBOTIX NAS
Add MOBOTIX NAS (ONVIF)
Please select a file server
MOBOTIX NAS Discovery

- Open the **Components View** of MxMC
- In tab **File Servers** add a **MOBOTIX NAS (ONVIF)**

Step 4: Adding NAS in MxManagementCenter (2)



File Servers
Smart Data Sources
ThinClients
Project
Search
Name
Type

New file server #1 — MOBOTIX NAS (ONVIF)

File Server Settings

File Server (IP): ☐ Port: 0 ☐ Use SSL

IP address or DNS name of the file server.

User Name:

Password:

Access data for the file server.

User must be a member of the administrator group with full rights of the MOBOTIX NAS!

☐ Use Expert Settings (ONVIF Access)

Test

Quick Guides

- NAS & MOVE/ONVIF - Guide
- NAS & IoT - Guide
- Device Finder - Guide

NAS Settings

QNap Basic Settings
- App Center
- Storage and Snapshots
- System Log

Qvr Pro Basic Settings
- Recording Storage
- Camera Settings
- Add Camera
- Event Management
- Log

Open Device Finder

Download Links

Download links to the latest APP´s:

Container App
QVRPro App
Device Finder App - macOS
Device Finder App - Windows

Download links to the NAS Firmware Update´s:

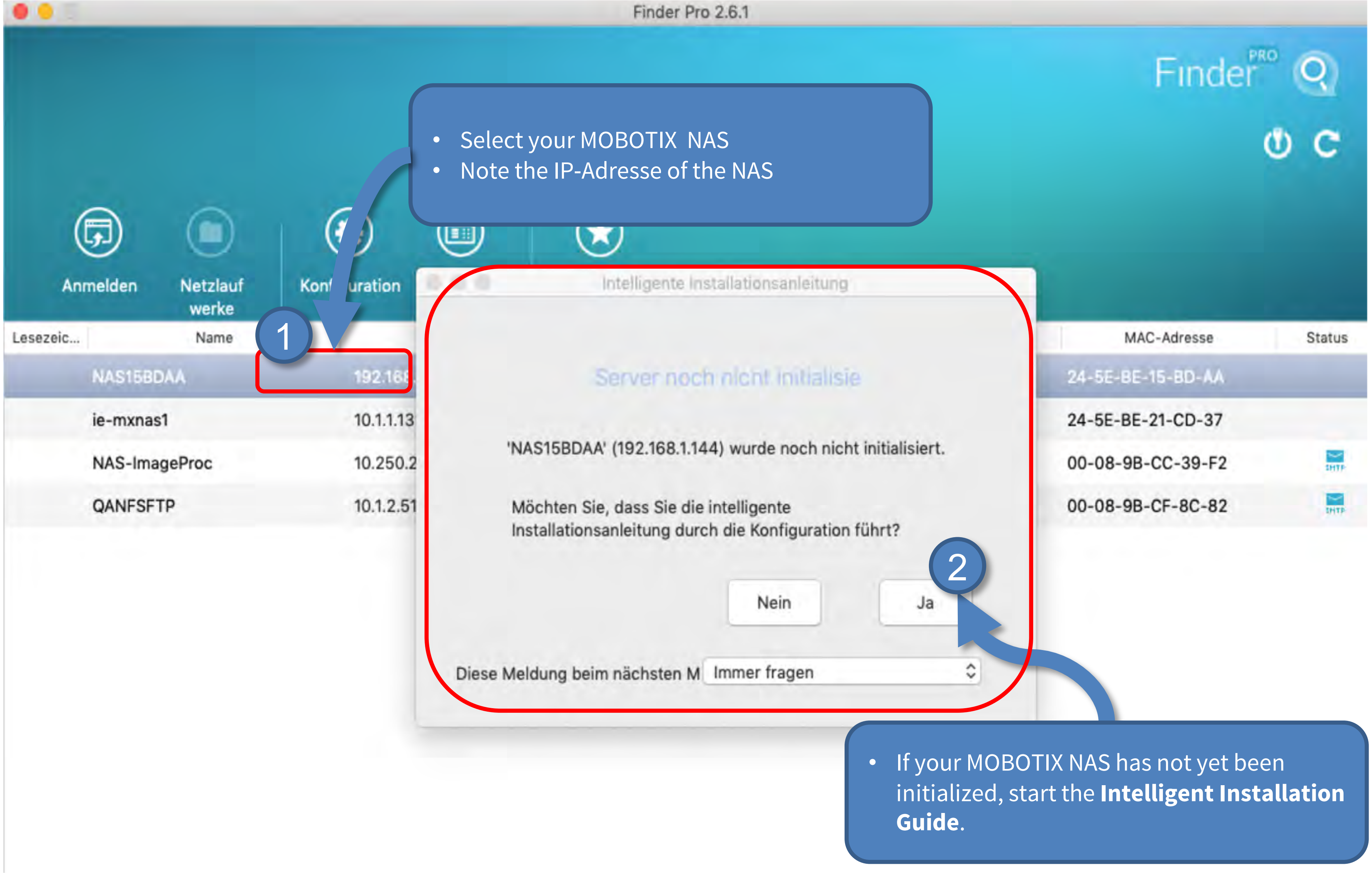
2Bay and 4Bay NAS Firmware
8Bay NAS Firmware

http://:0/cgi-bin/

MOBOTIX NAS Discovery

- From the **Download Links** section, download and install the **Device Finder app**
- Also Download the **Container App** and the **Recorder App**
- Optional: Download the latest **NAS firmware** (see also step 9)

Step 5: Device Finder


Finder Pro 2.6.1
Finder PRO
Anmelden
Netzlaufwerke
Konfiguration
Lesezeic...
Name
MAC-Adresse
Status
NAS15BDAA
192.168
24-5E-BE-15-BD-AA
ie-mxnas1
10.1.1.13
24-5E-BE-21-CD-37
NAS-ImageProc
10.250.2
00-08-9B-CC-39-F2
QANFSFTP
10.1.2.51
00-08-9B-CF-8C-82
Intelligente Installationsanleitung
Nein
Ja
1
2

Server noch nicht initialisie

'NAS15BDAA' (192.168.1.144) wurde noch nicht initialisiert.

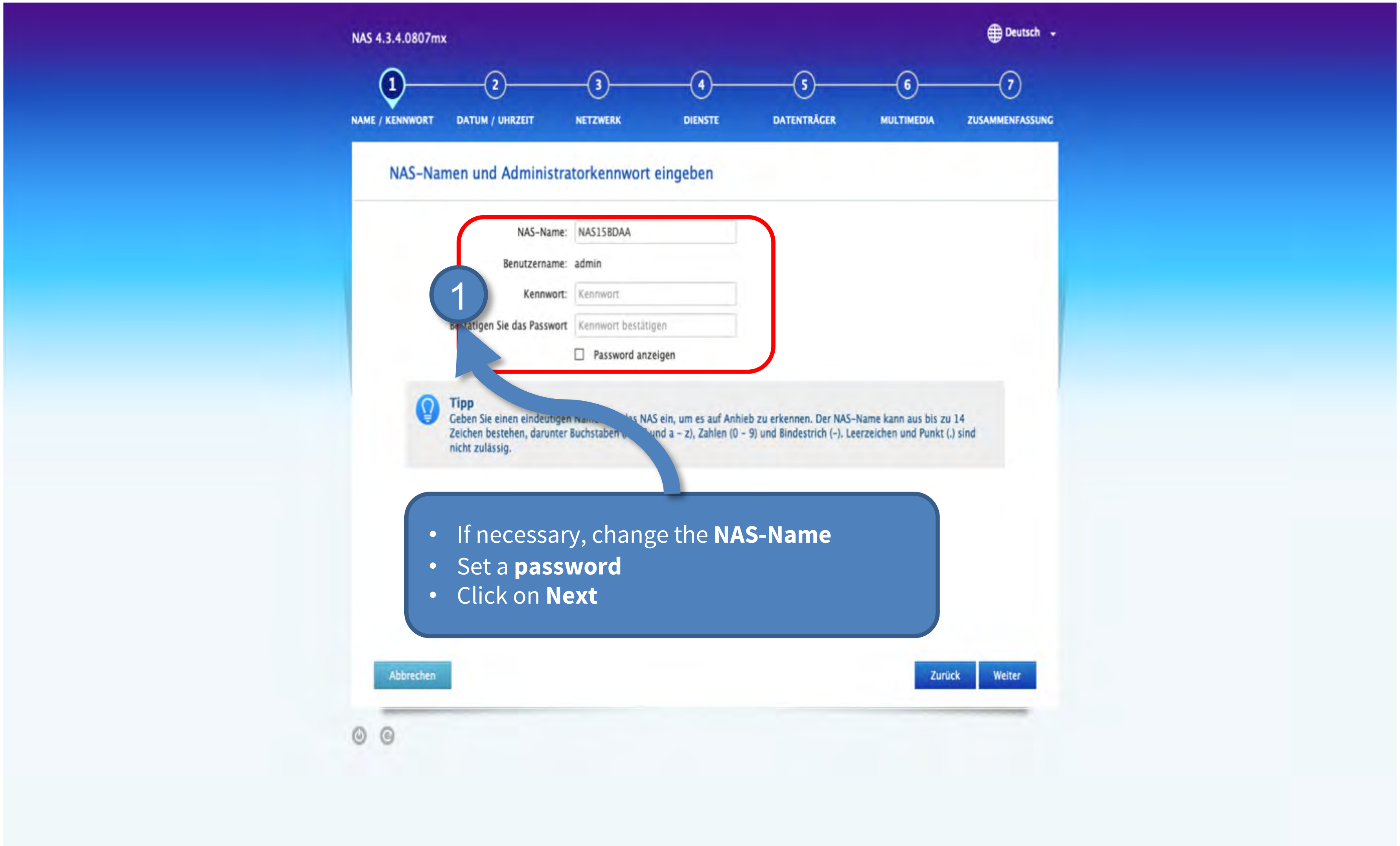
Möchten Sie, dass Sie die intelligente Installationsanleitung durch die Konfiguration führt?

Diese Meldung beim nächsten M: Immer fragen

- Select your MOBOTIX NAS
- Note the IP-Adresse of the NAS

- If your MOBOTIX NAS has not yet been initialized, start the **Intelligent Installation Guide**.

Step 6: Initially configure the NAS (1) - Set the access data



NAS 4.3.4.0807mx
Deutsch
1 NAME / KENNWORT
2 DATUM / UHRZEIT
3 NETZWERK
4 DIENSTE
5 DATENTRÄGER
6 MULTIMEDIA
7 ZUSAMMENFASSUNG
1
Abbrechen
Zurück
Weiter

NAS-Namen und Administratorkennwort eingeben

NAS-Name: NAS15BDAA

Benutzername: admin

Kennwort: Kennwort

Bestätigen Sie das Passwort: Kennwort bestätigen

☐ Password anzeigen

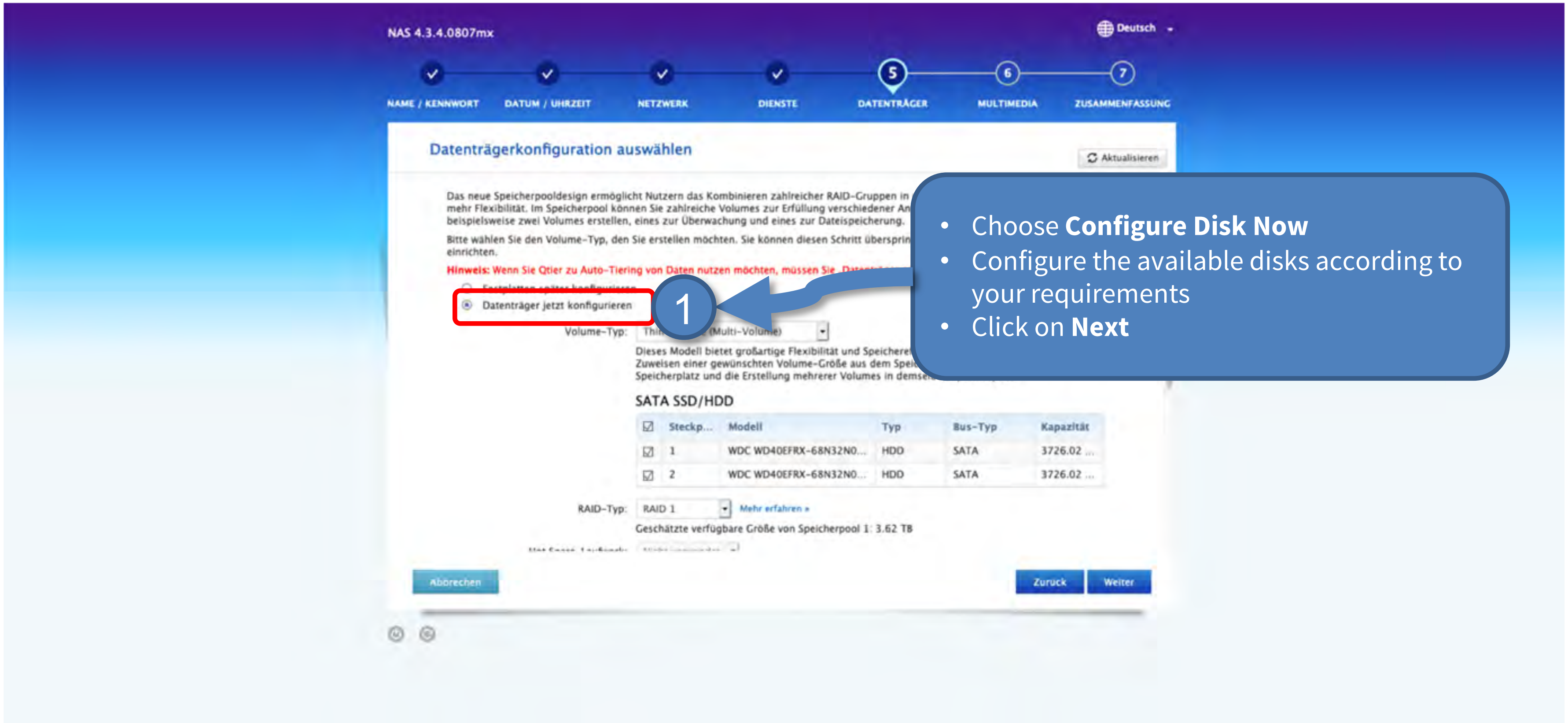
Tipp

Geben Sie einen eindeutigen Nam des NAS ein, um es auf Anhieb zu erkennen. Der NAS-Name kann aus bis zu 14 Zeichen bestehen, darunter Buchstaben und a - z), Zahlen (0 - 9) und Bindestrich (-). Leerzeichen und Punkt (.) sind nicht zulässig.

- If necessary, change the **NAS-Name**
- Set a **password**
- Click on **Next**

Step 6: Initially configure the NAS (2) – Optionally configure hard disks

Be sure to configure the data carriers!
Otherwise, errors may occur during the installation of apps.


NAS 4.3.4.0807mx
Deutsch
NAME / KENNWORT
DATUM / UHRZEIT
NETZWERK
DIENSTE
5 DATENTRÄGER
6 MULTIMEDIA
7 ZUSAMMENFASSUNG
Aktualisieren
1
Mehr erfahren »
Abbrechen
Zurück
Weiter

Datenträgerkonfiguration auswählen

Das neue Speicherpooldesign ermöglicht Nutzern das Kombinieren zahlreicher RAID-Gruppen in
mehr Flexibilität. Im Speicherpool können Sie zahlreiche Volumes zur Erfüllung verschiedener An
beispielsweise zwei Volumes erstellen, eines zur Überwachung und eines zur Dateispeicherung.

Bitte wählen Sie den Volume-Typ, den Sie erstellen möchten. Sie können diesen Schritt übersprin
einrichten.

Hinweis: Wenn Sie Qtier zu Auto-Tiering von Daten nutzen möchten, müssen Sie

○ Festplatten später konfigurieren

● Datenträger jetzt konfigurieren

Volume-Typ: Thi (Multi-Volume)

Dieses Modell bietet großartige Flexibilität und Speichere
Zuweisen einer gewünschten Volume-Größe aus dem Spei
Speicherplatz und die Erstellung mehrerer Volumes in demse

SATA SSD/HDD

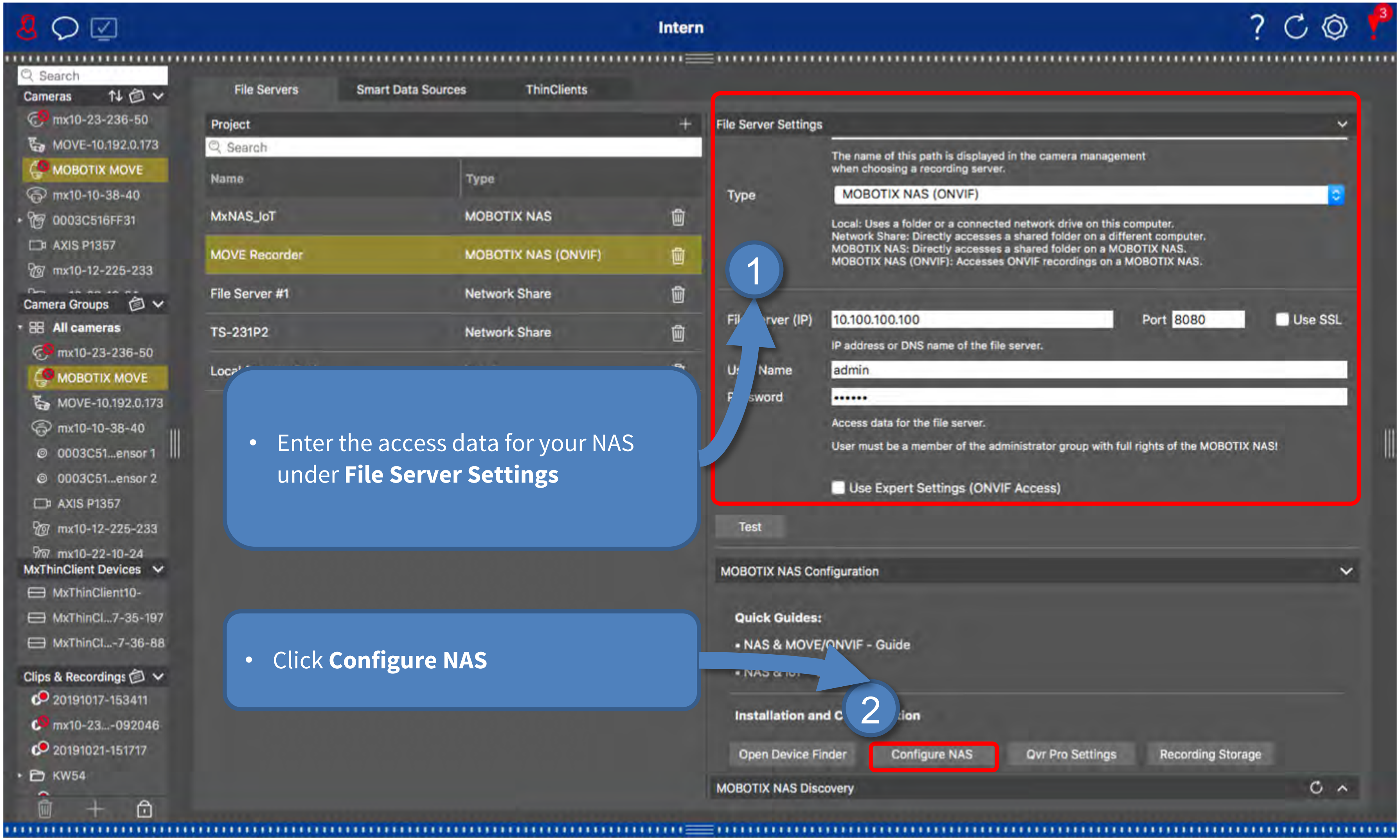
☑	Steckp...	Modell	Typ	Bus-Typ	Kapazität
☑	1	WDC WD40EFRX-68N32N0...	HDD	SATA	3726.02 ...
☑	2	WDC WD40EFRX-68N32N0...	HDD	SATA	3726.02 ...

RAID-Typ: RAID 1

Geschätzte verfügbare Größe von Speicherpool 1: 3.62 TB

- Choose **Configure Disk Now**
- Configure the available disks according to your requirements
- Click on **Next**

Step 7: Setting up the NAS in the MxManagementCenter



Intern
File Servers
Smart Data Sources
ThinClients
Cameras
Camera Groups
All cameras
MxThinClient Devices
Clips & Recordings
1
2

Name	Type
MxNAS_IoT	MOBOTIX NAS
MOVE Recorder	MOBOTIX NAS (ONVIF)
File Server #1	Network Share
TS-231P2	Network Share

File Server Settings

The name of this path is displayed in the camera management when choosing a recording server.

Type: MOBOTIX NAS (ONVIF)

Local: Uses a folder or a connected network drive on this computer.
Network Share: Directly accesses a shared folder on a different computer.
MOBOTIX NAS: Directly accesses a shared folder on a MOBOTIX NAS.
MOBOTIX NAS (ONVIF): Accesses ONVIF recordings on a MOBOTIX NAS.

File Server (IP): 10.100.100.100 Port: 8080 ☐ Use SSL

IP address or DNS name of the file server.

User Name: admin

Password: ••••••

Access data for the file server.

User must be a member of the administrator group with full rights of the MOBOTIX NAS!

☐ Use Expert Settings (ONVIF Access)

Test

MOBOTIX NAS Configuration

Quick Guides:

- NAS & MOVE/ONVIF - Guide

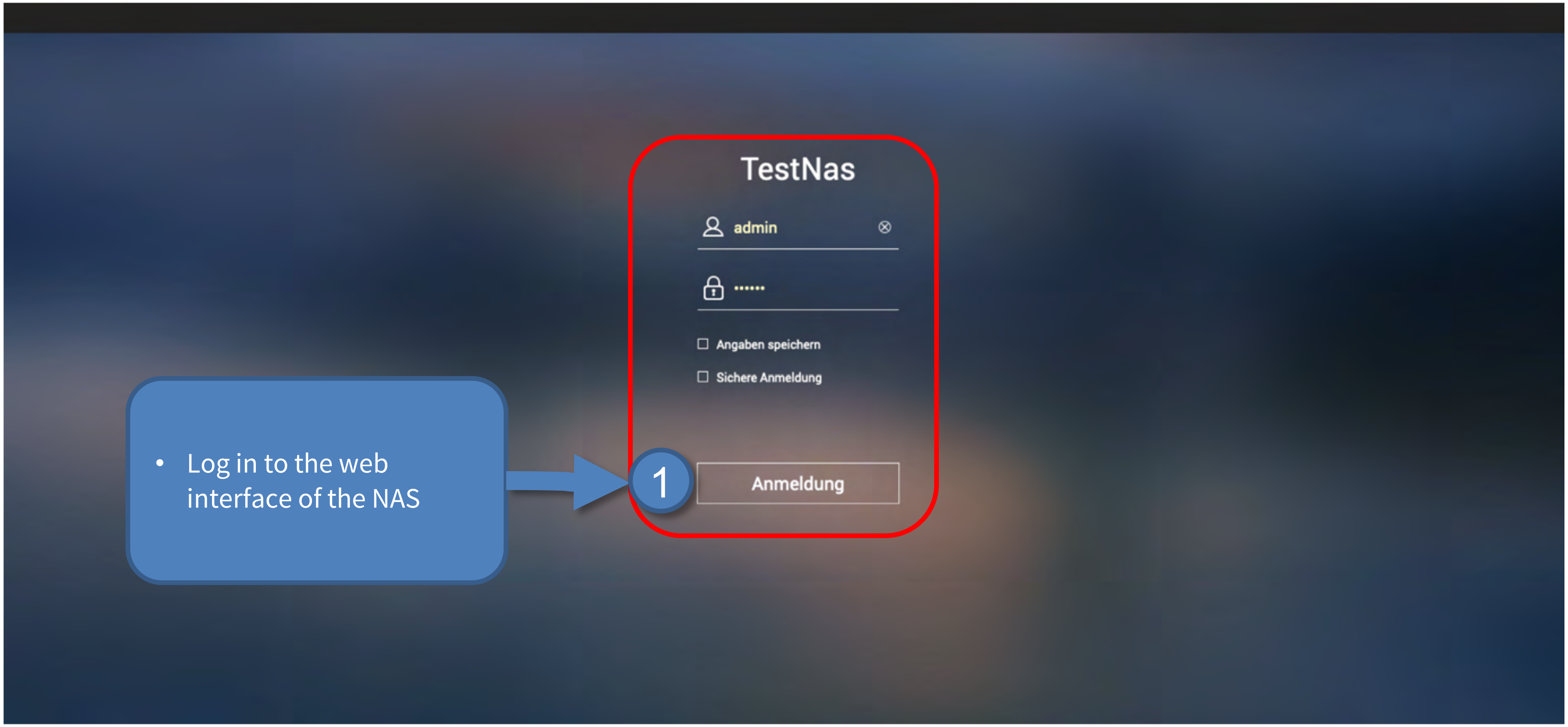
Open Device Finder | Configure NAS | Qvr Pro Settings | Recording Storage

MOBOTIX NAS Discovery

- Enter the access data for your NAS under **File Server Settings**

- Click **Configure NAS**

Step 8: Login to NAS Web Interface



TestNas

admin

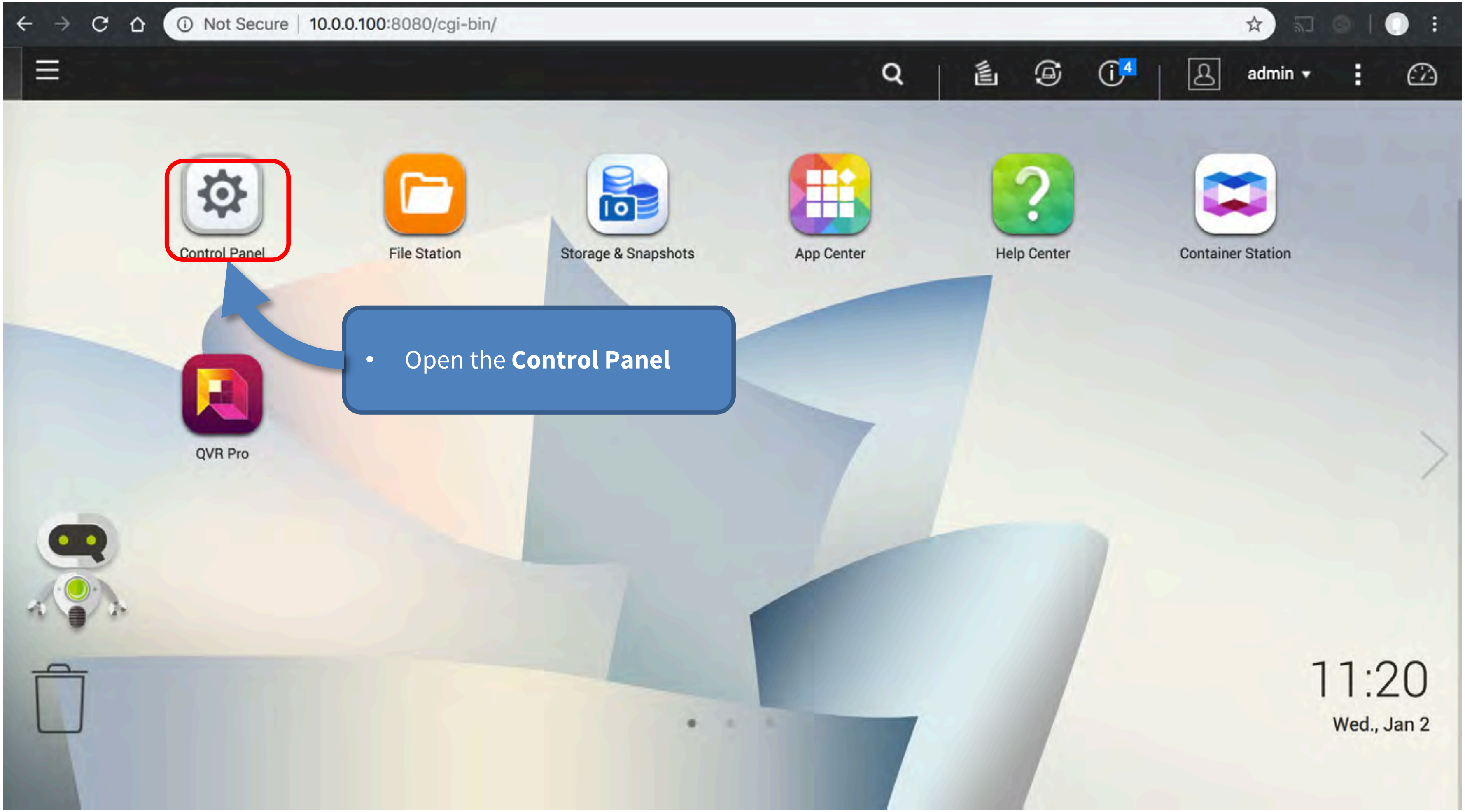
••••••

☐ Angaben speichern

☐ Sichere Anmeldung

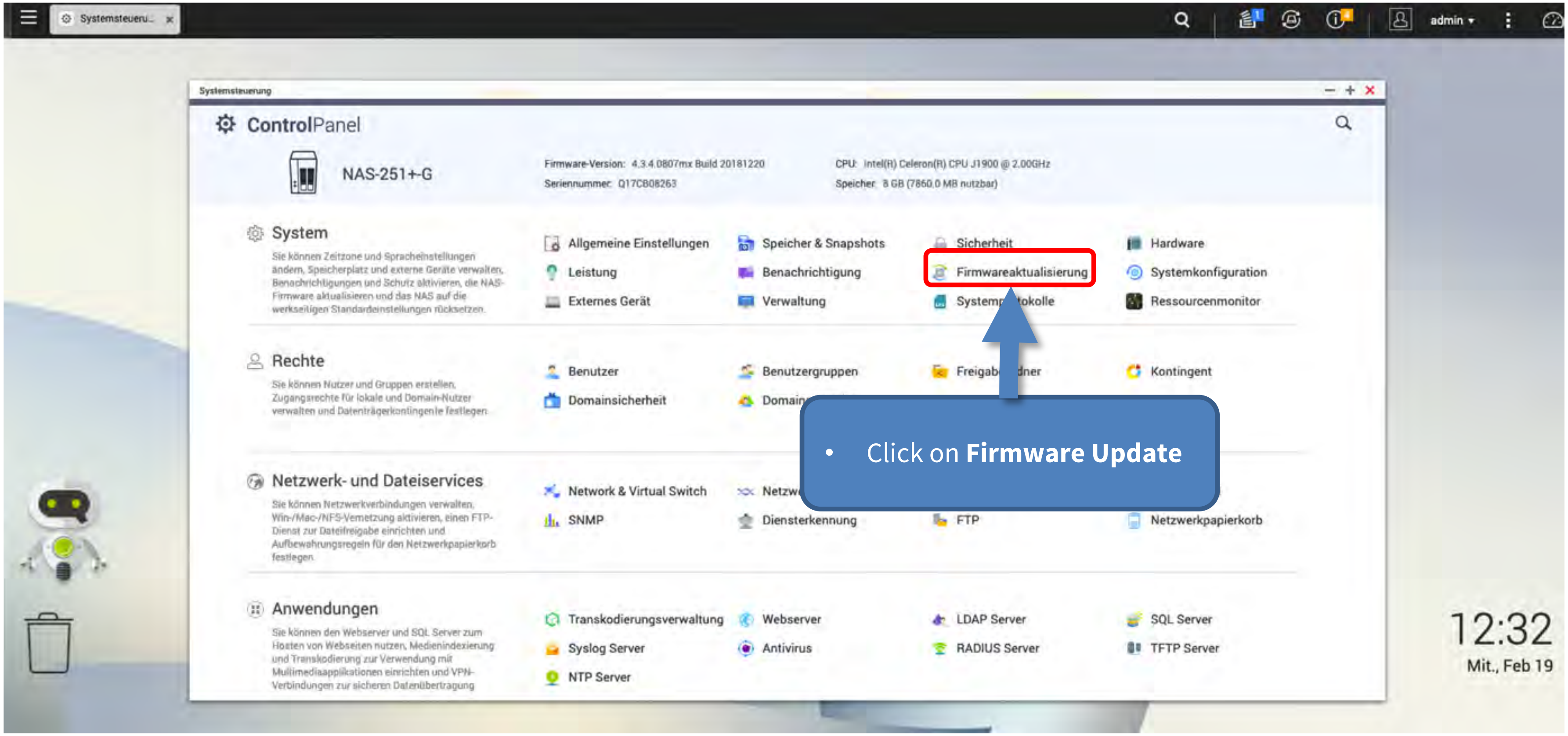
- Log in to the web interface of the NAS

Step 9: optionally update firmware (1)


Not Secure
10.0.0.100:8080/cgi-bin/
admin
Control Panel
File Station
Storage & Snapshots
App Center
Help Center
Container Station
QVR Pro
11:20
Wed., Jan 2

- Open the **Control Panel**

Step 9: optionally update firmware (2)



Systemsteueru...
admin
Systemsteuerung
ControlPanel
NAS-251+-G
Allgemeine Einstellungen
Speicher & Snapshots
Sicherheit
Hardware
Leistung
Benachrichtigung
Firmwareaktualisierung
Systemkonfiguration
Externes Gerät
Verwaltung
Systemprotokolle
Ressourcenmonitor
Benutzer
Benutzergruppen
Freigabeordner
Kontingent
Domainsicherheit
Domain
Network & Virtual Switch
Netzw
SNMP
Diensterkennung
FTP
Netzwerkpapierkorb
Transkodierungsverwaltung
Webserver
LDAP Server
SQL Server
Syslog Server
Antivirus
RADIUS Server
TFTP Server
NTP Server
12:32
Mit., Feb 19

Firmware-Version: 4.3.4.0807mx Build 20181220
Seriennummer: Q17CB08263
CPU: Intel(R) Celeron(R) CPU J1900 @ 2.00GHz
Speicher: 8 GB (7860.0 MB nutzbar)

System

Sie können Zeitzone und Spracheinstellungen ändern, Speicherplatz und externe Geräte verwalten, Benachrichtigungen und Schutz aktivieren, die NAS-Firmware aktualisieren und das NAS auf die werkseitigen Standardeinstellungen rücksetzen.

Rechte

Sie können Nutzer und Gruppen erstellen, Zugangsrechte für lokale und Domain-Nutzer verwalten und Datenträgerkontingente festlegen.

Netzwerk- und Dateiservices

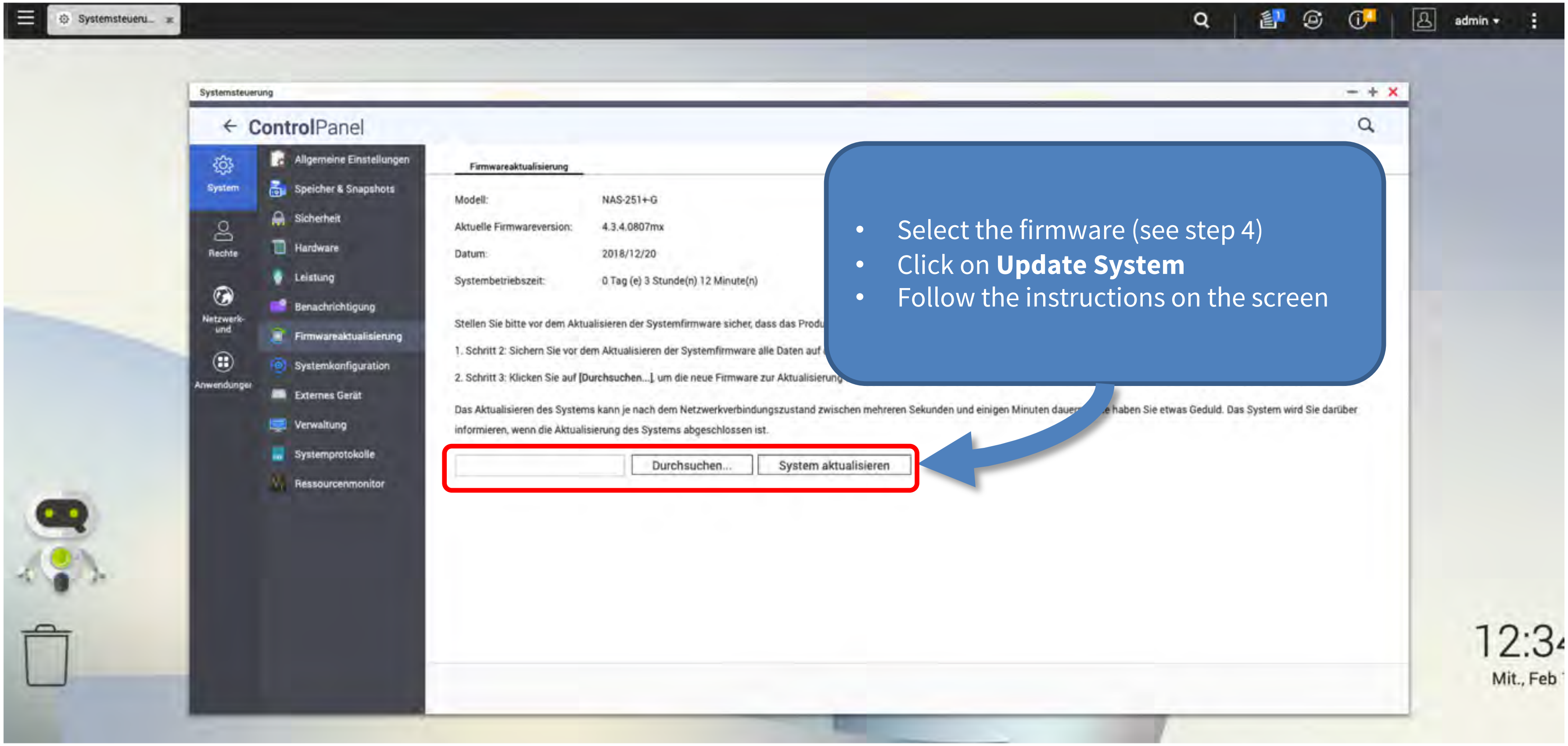
Sie können Netzwerkverbindungen verwalten, Win-/Mac-/NFS-Vernetzung aktivieren, einen FTP-Dienst zur Dateifreigabe einrichten und Aufbewahrungsregeln für den Netzwerkpapierkorb festlegen.

Anwendungen

Sie können den Webserver und SQL Server zum Hosten von Webseiten nutzen, Medienindexierung und Transkodierung zur Verwendung mit Multimediaapplikationen einrichten und VPN-Verbindungen zur sicheren Datenübertragung

- Click on **Firmware Update**

Step 9: optionally update firmware (3)



Systemsteueru...
admin
Systemsteuerung
ControlPanel
System
Rechte
Netzwerk- und
Anwendungen
Allgemeine Einstellungen
Speicher & Snapshots
Sicherheit
Hardware
Leistung
Benachrichtigung
Firmwareaktualisierung
Systemkonfiguration
Externes Gerät
Verwaltung
Systemprotokolle
Ressourcenmonitor
Firmwareaktualisierung
Durchsuchen...
System aktualisieren
12:3
Mit., Feb

Modell: NAS-251+G

Aktuelle Firmwareversion: 4.3.4.0807mx

Datum: 2018/12/20

Systembetriebszeit: 0 Tag (e) 3 Stunde(n) 12 Minute(n)

Stellen Sie bitte vor dem Aktualisieren der Systemfirmware sicher, dass das Produ

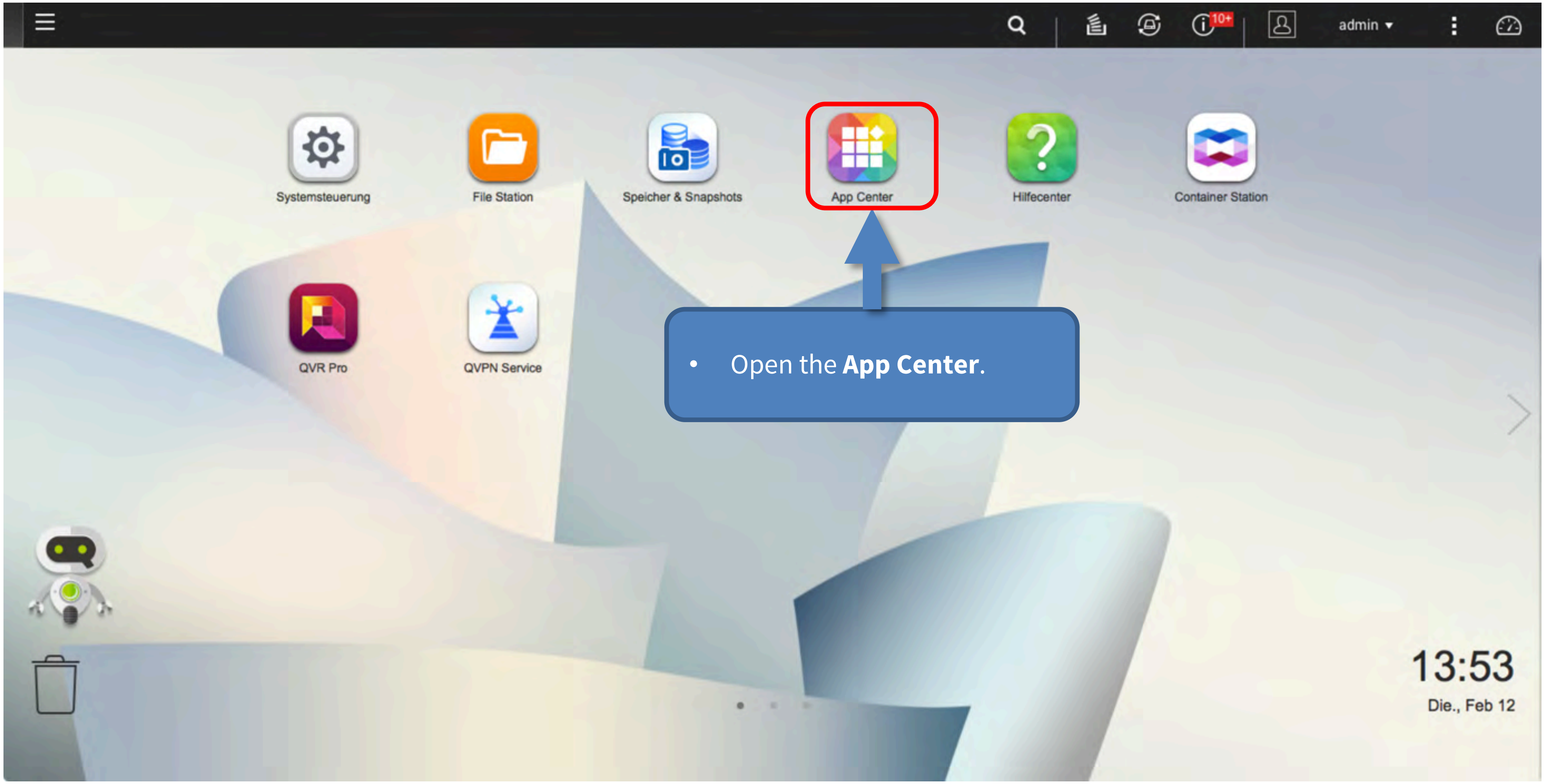
1. Schritt 2: Sichern Sie vor dem Aktualisieren der Systemfirmware alle Daten auf

2. Schritt 3: Klicken Sie auf **[Durchsuchen...]**, um die neue Firmware zur Aktualisierung

Das Aktualisieren des Systems kann je nach dem Netzwerkverbindungszustand zwischen mehreren Sekunden und einigen Minuten dauer e haben Sie etwas Geduld. Das System wird Sie darüber informieren, wenn die Aktualisierung des Systems abgeschlossen ist.

- Select the firmware (see step 4)
- Click on **Update System**
- Follow the instructions on the screen

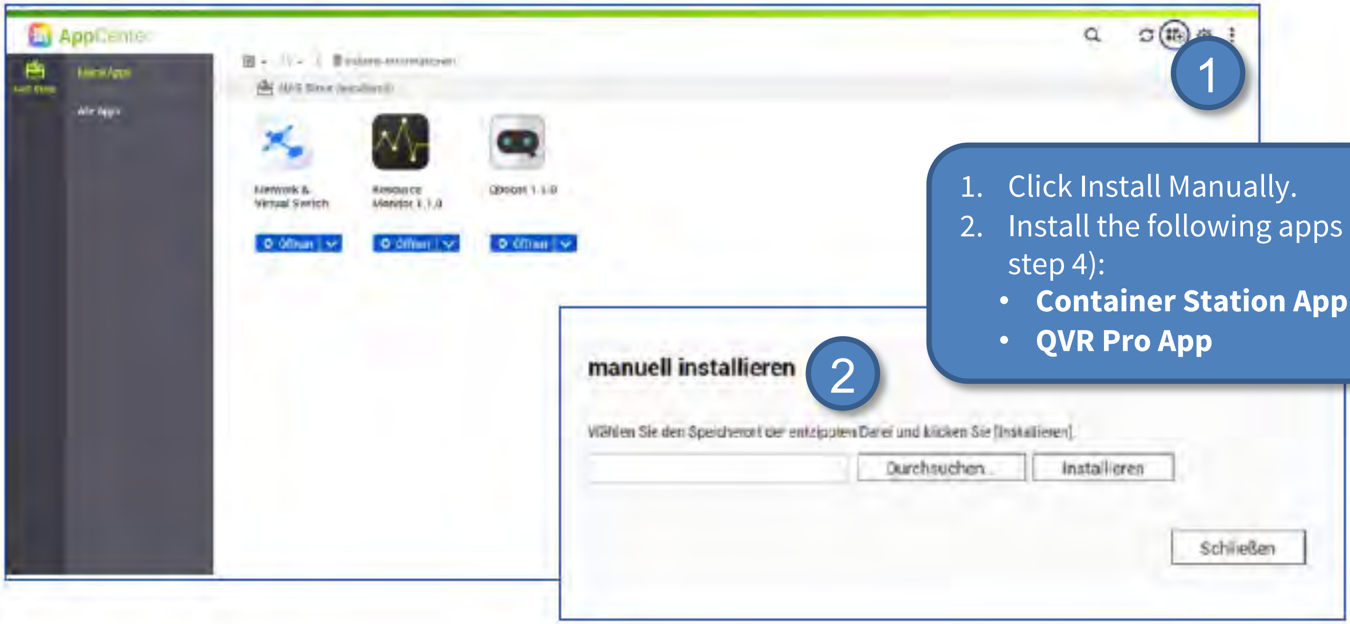
Step 10: Install Apps on NAS (1) - Recording software



admin
Systemsteuerung
File Station
Speicher & Snapshots
App Center
Hilfecenter
Container Station
QVR Pro
QVPN Service
13:53
Die., Feb 12

- Open the **App Center**.

Step 10: Install App on NAS (2) - Recording Software

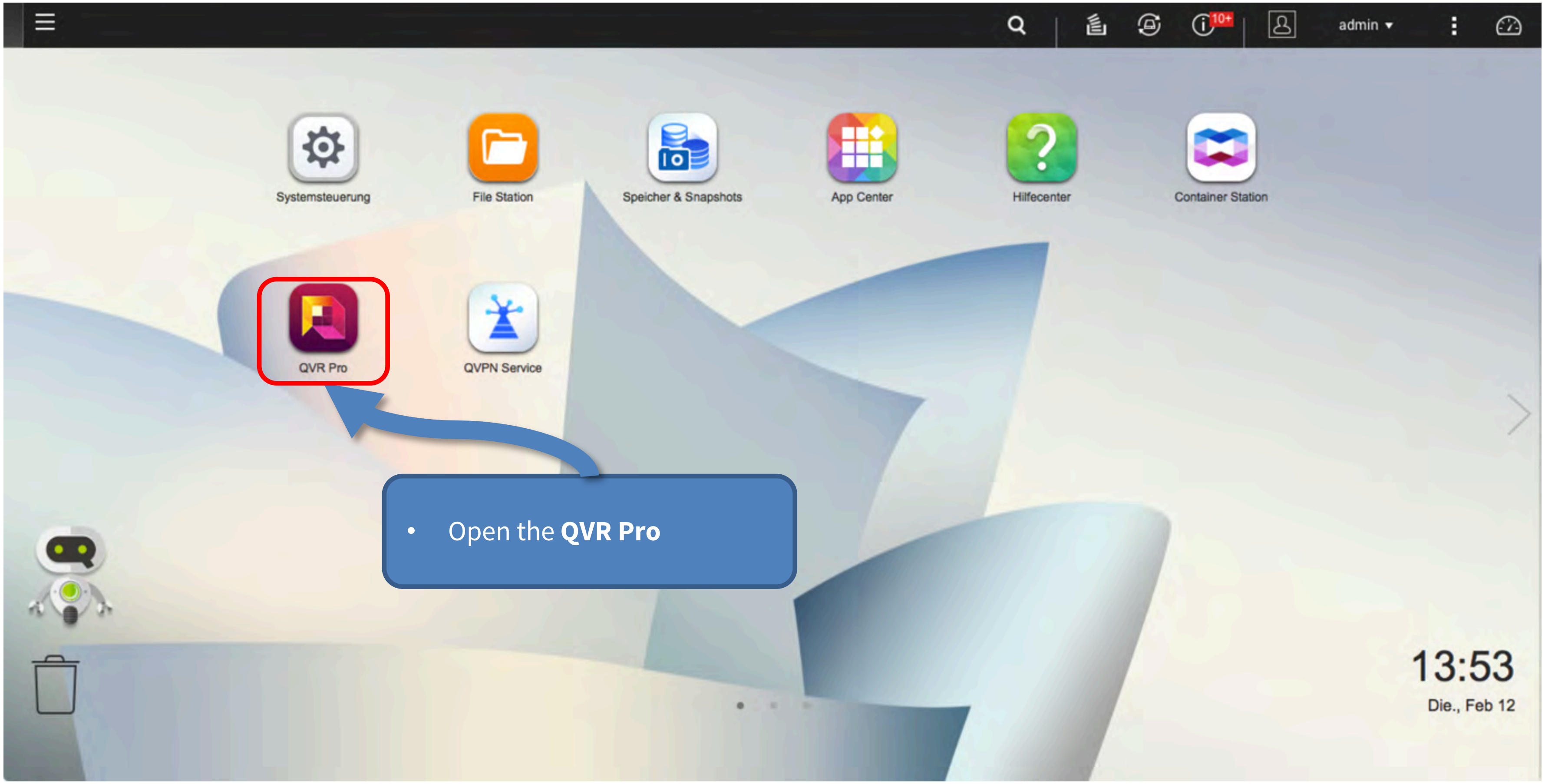


AppCenter
1
manuell installieren
2
Durchsuchen...
Installieren
Schließen

Wählen Sie den Speicherort der entzippten Datei und klicken Sie [Installieren].

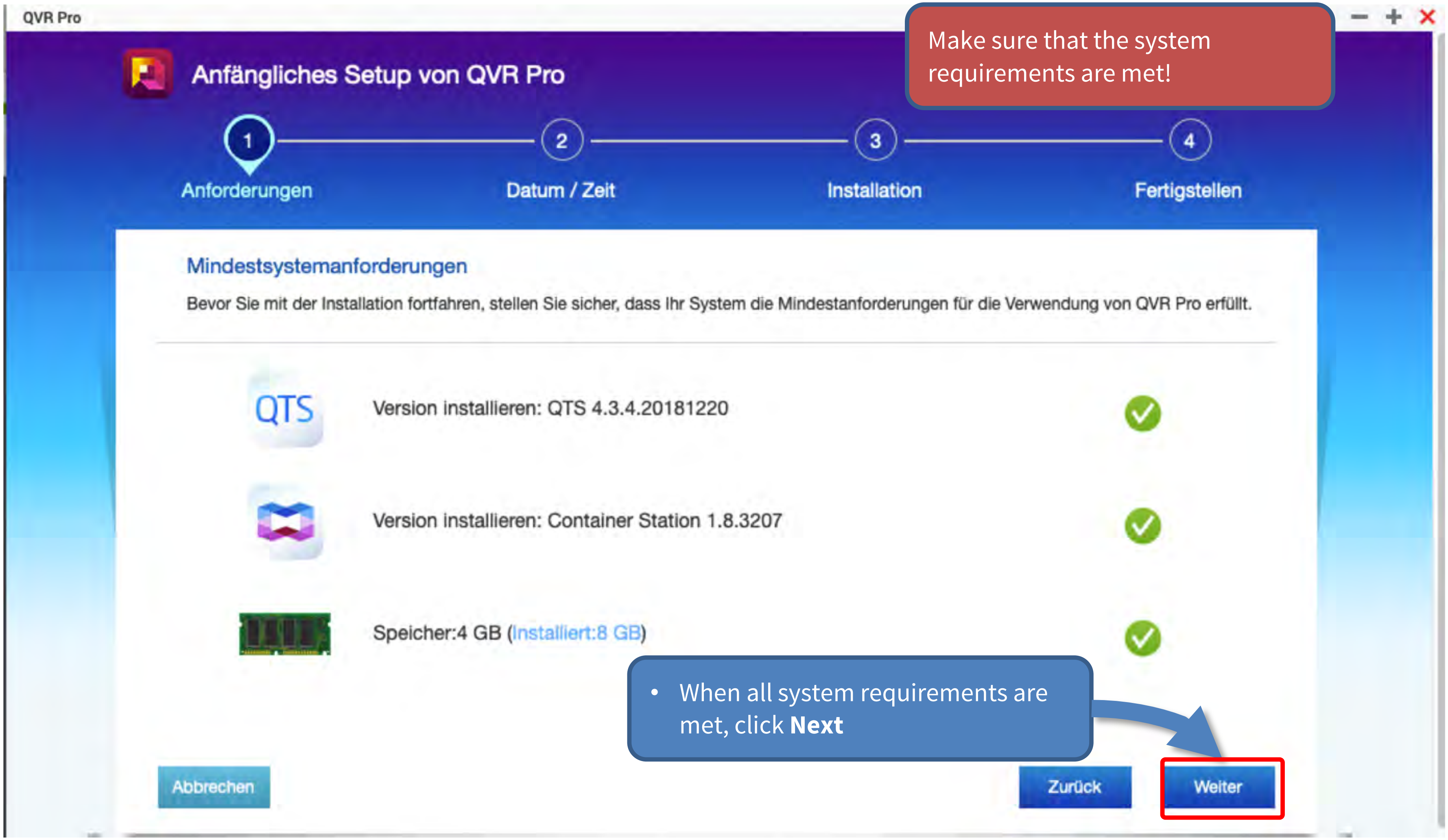
1. Click Install Manually.
2. Install the following apps (you downloaded them in step 4):
    - **Container Station App**
    - **QVR Pro App**

Step 11: Initial setup of QVR Pro (1)


admin
Systemsteuerung
File Station
Speicher & Snapshots
App Center
Hilfecenter
Container Station
QVR Pro
QVPN Service
13:53
Die., Feb 12

- Open the **QVR Pro**

Step 11: Initial setup of QVR Pro (2)


QVR Pro
Anfängliches Setup von QVR Pro
1 Anforderungen
2 Datum / Zeit
3 Installation
4 Fertigstellen
Abbrechen
Zurück
Weiter

Make sure that the system requirements are met!

Mindestsystemanforderungen

Bevor Sie mit der Installation fortfahren, stellen Sie sicher, dass Ihr System die Mindestanforderungen für die Verwendung von QVR Pro erfüllt.

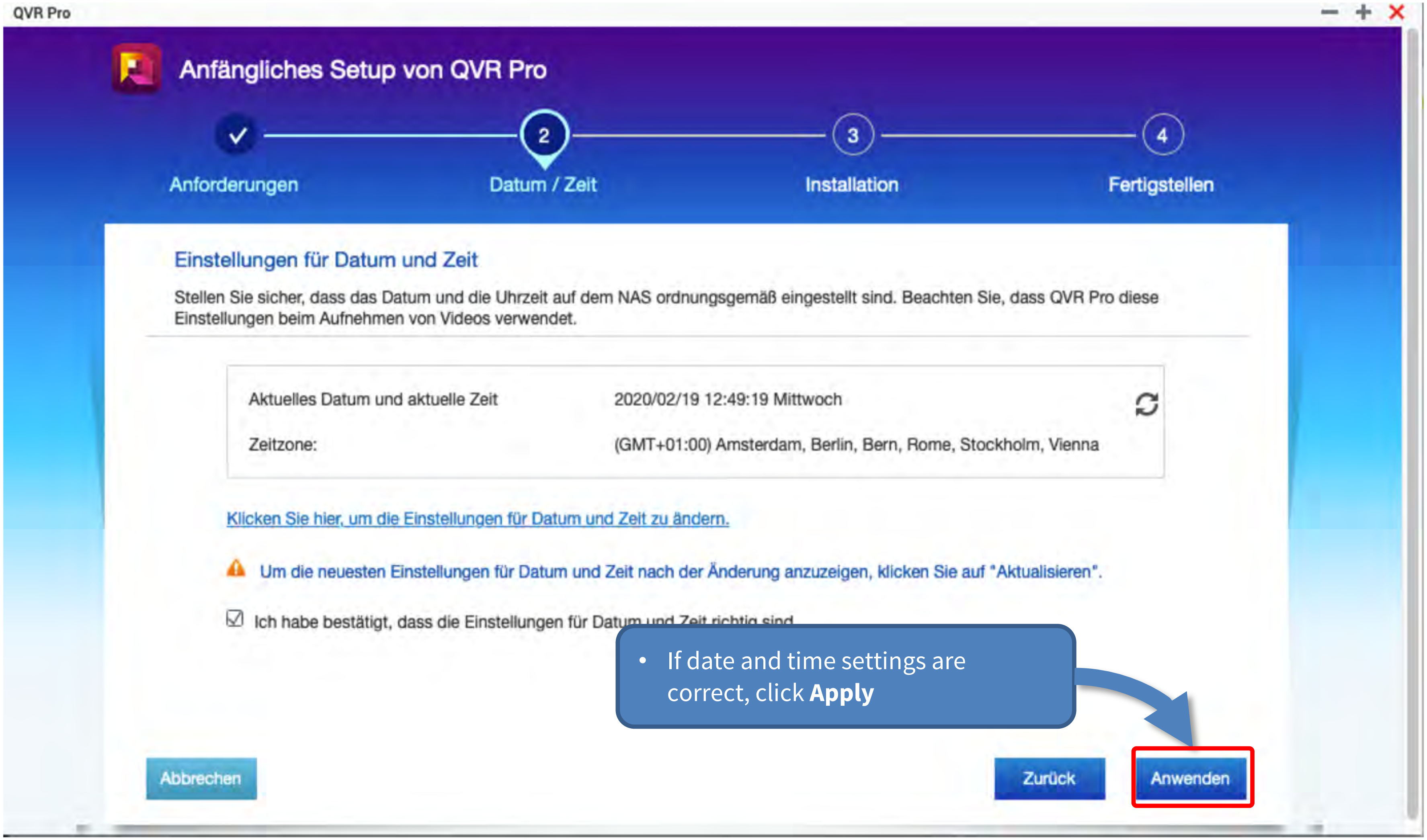
Version installieren: QTS 4.3.4.20181220 ✓

Version installieren: Container Station 1.8.3207 ✓

Speicher:4 GB (Installiert:8 GB) ✓

- When all system requirements are met, click **Next**

Step 11: Initial setup of QVR Pro (3)



QVR Pro
Anfängliches Setup von QVR Pro
✓ Anforderungen
2 Datum / Zeit
3 Installation
4 Fertigstellen

Einstellungen für Datum und Zeit

Stellen Sie sicher, dass das Datum und die Uhrzeit auf dem NAS ordnungsgemäß eingestellt sind. Beachten Sie, dass QVR Pro diese Einstellungen beim Aufnehmen von Videos verwendet.

Aktuelles Datum und aktuelle Zeit	2020/02/19 12:49:19 Mittwoch
Zeitzone:	(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Klicken Sie hier, um die Einstellungen für Datum und Zeit zu ändern.

⚠ Um die neuesten Einstellungen für Datum und Zeit nach der Änderung anzuzeigen, klicken Sie auf "Aktualisieren".

☑ Ich habe bestätigt, dass die Einstellungen für Datum und Zeit richtig sind.

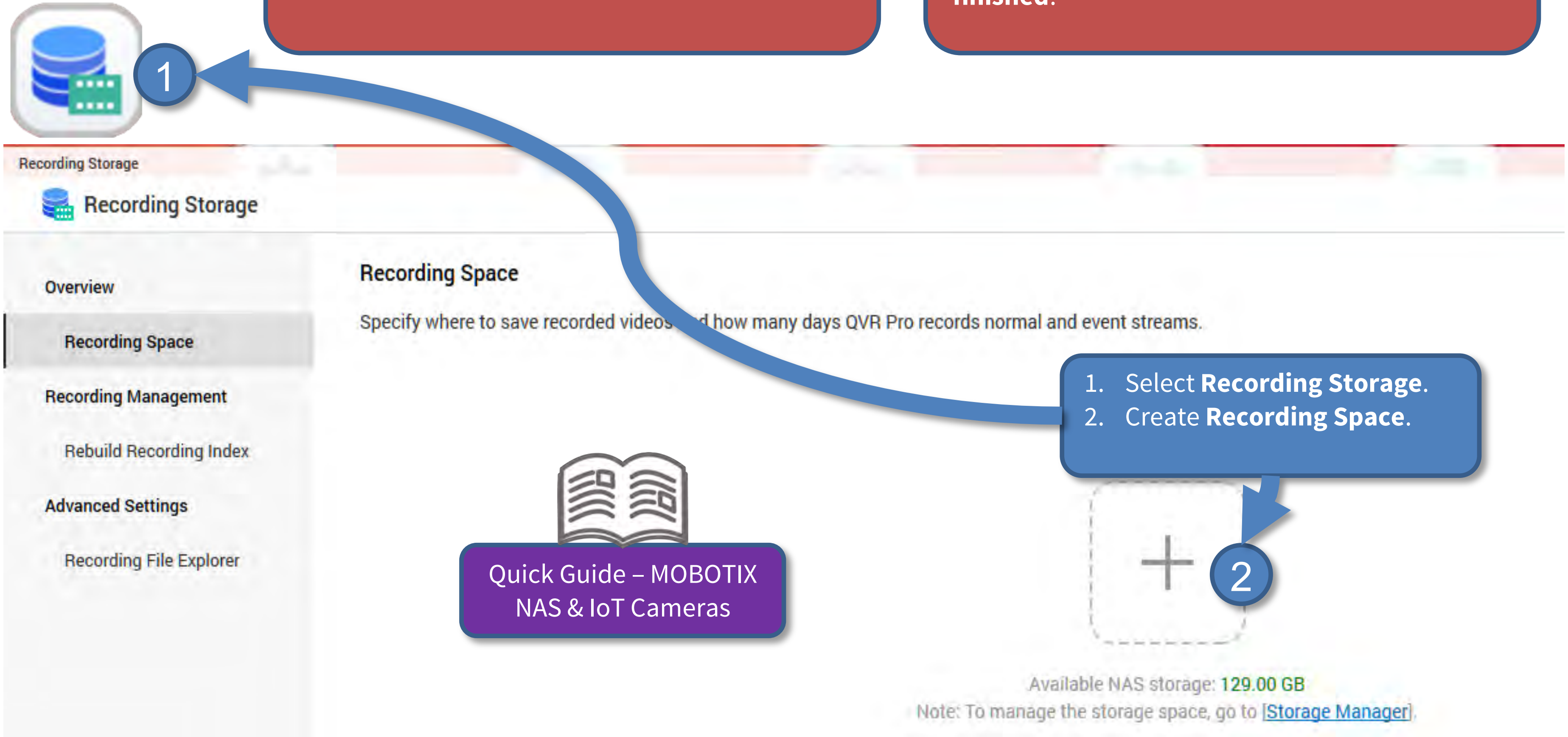
Abbrechen
Zurück
Anwenden

- If date and time settings are correct, click **Apply**

Step 12: Create Recording Space in QVR Pro

IMPORTANT: Reserve extra **Recording Space** if you'd like to add MOBOTIX IoT cameras later on!

IMPORTANT: Wait until the recording space is fully allocated and **do not reboot the MOBOTIX NAS or add cameras before this task is finished**!


1
Recording Storage
Recording Storage
Overview
Recording Space
Recording Management
Rebuild Recording Index
Advanced Settings
Recording File Explorer
+
2

Recording Space

Specify where to save recorded videos and how many days QVR Pro records normal and event streams.

Available NAS storage: 129.00 GB

Note: To manage the storage space, go to [Storage Manager].

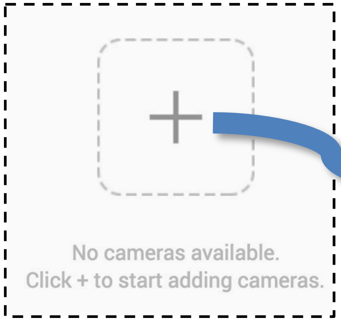
1. Select **Recording Storage**.
2. Create **Recording Space**.

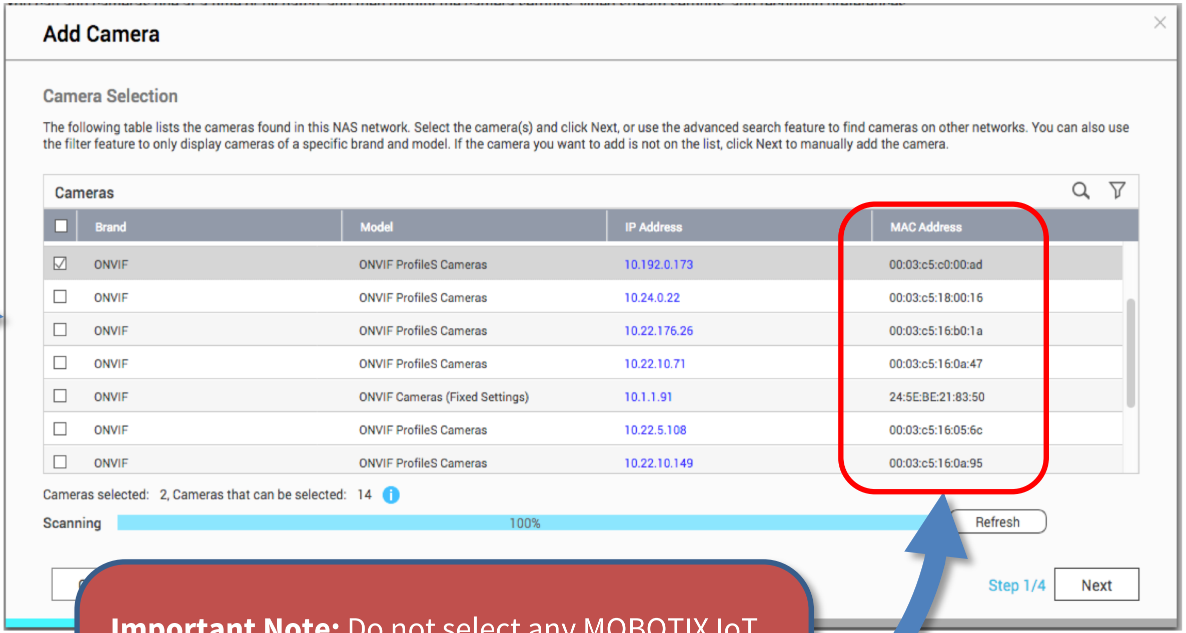
Quick Guide – MOBOTIX NAS & IoT Cameras

Set the required size for all recording spaces and leave the **Overwrite Threshold** at its default value (95 %).

Step 13: Add Cameras in QVR (1)

1. After the recording spaces have been completely allocated, open **Camera Settings** in QVR Pro (Recorder Software).
2. QVR Pro is only suitable for MOVE/ONVIF cameras. Therefore, make sure that no MOBOTIX IoT cameras have been selected. You can recognize MOBOTIX IoT cameras by their MAC address.





Add Camera

Camera Selection

The following table lists the cameras found in this NAS network. Select the camera(s) and click Next, or use the advanced search feature to find cameras on other networks. You can also use the filter feature to only display cameras of a specific brand and model. If the camera you want to add is not on the list, click Next to manually add the camera.

Cameras

☐	Brand	Model	IP Address	MAC Address
☑	ONVIF	ONVIF ProfileS Cameras	10.192.0.173	00:03:c5:c0:00:ad
☐	ONVIF	ONVIF ProfileS Cameras	10.24.0.22	00:03:c5:18:00:16
☐	ONVIF	ONVIF ProfileS Cameras	10.22.176.26	00:03:c5:16:b0:1a
☐	ONVIF	ONVIF ProfileS Cameras	10.22.10.71	00:03:c5:16:0a:47
☐	ONVIF	ONVIF Cameras (Fixed Settings)	10.1.1.91	24:5E:BE:21:83:50
☐	ONVIF	ONVIF ProfileS Cameras	10.22.5.108	00:03:c5:16:05:6c
☐	ONVIF	ONVIF ProfileS Cameras	10.22.10.149	00:03:c5:16:0a:95

Cameras selected: 2, Cameras that can be selected: 14

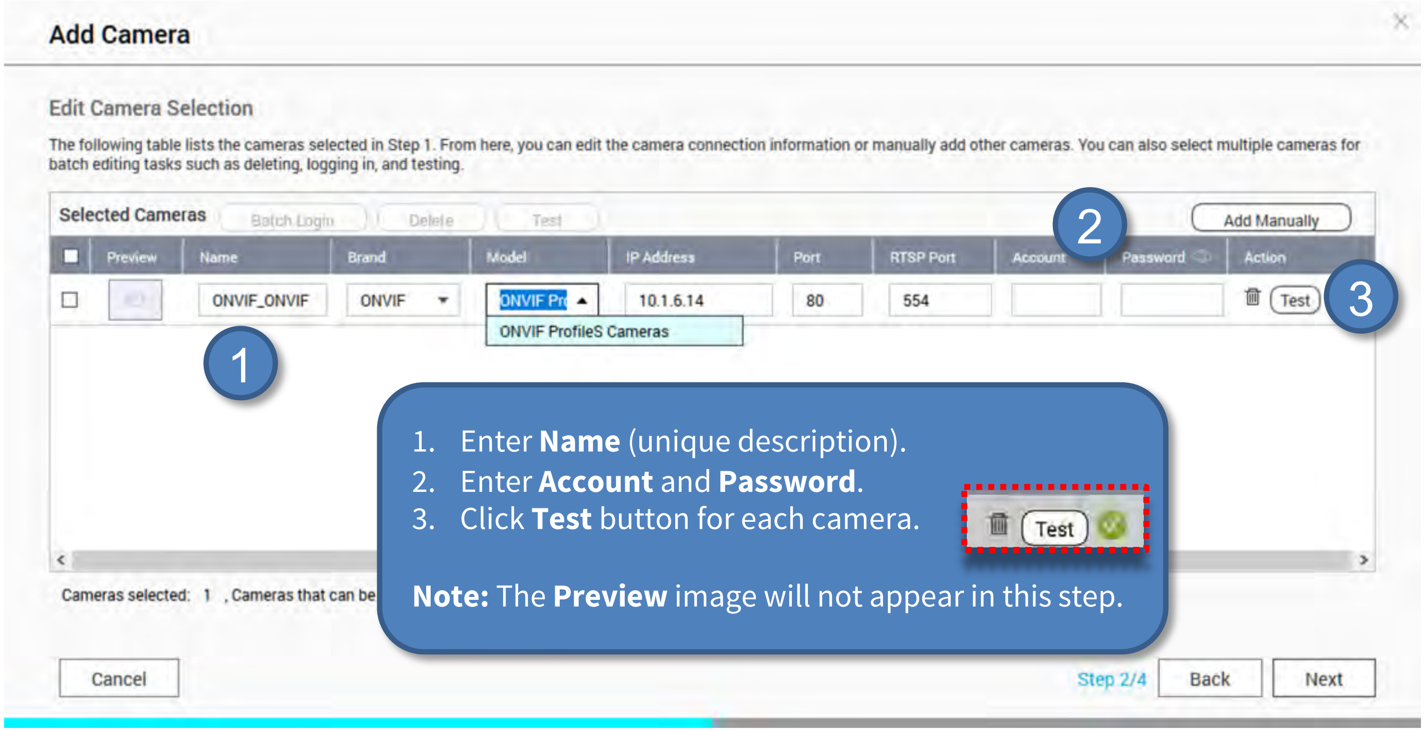
Scanning 100%

Important Note: Do not select any MOBOTIX IoT cameras!
Check the MAC address:

- MOBOTIX MOVE: 00:03.C5.**C0**.XX.XX
- MOBOTIX IoT: 00:03:C5.**XX**.XX.XX

Step 14: Add Cameras in QVR (2)

3. In the next window, check whether MOBOTIX NAS has recognized the desired camera brand and IP address. Continue by adding any missing camera data, such as:
   - **Name:** Enter a unique description (used in QVR Pro only).
   - **Account/Password:** Access data must correspond to an ONVIF admin user for ONVIF S cameras.



Add Camera

Edit Camera Selection

The following table lists the cameras selected in Step 1. From here, you can edit the camera connection information or manually add other cameras. You can also select multiple cameras for batch editing tasks such as deleting, logging in, and testing.

Selected Cameras

☐	Preview	Name	Brand	Model	IP Address	Port	RTSP Port	Account	Password	Action
☐		ONVIF_ONVIF	ONVIF	ONVIF Pr ONVIF ProfileS Cameras	10.1.6.14	80	554			Test

Cameras selected: 1 , Cameras that can be

Step 2/4

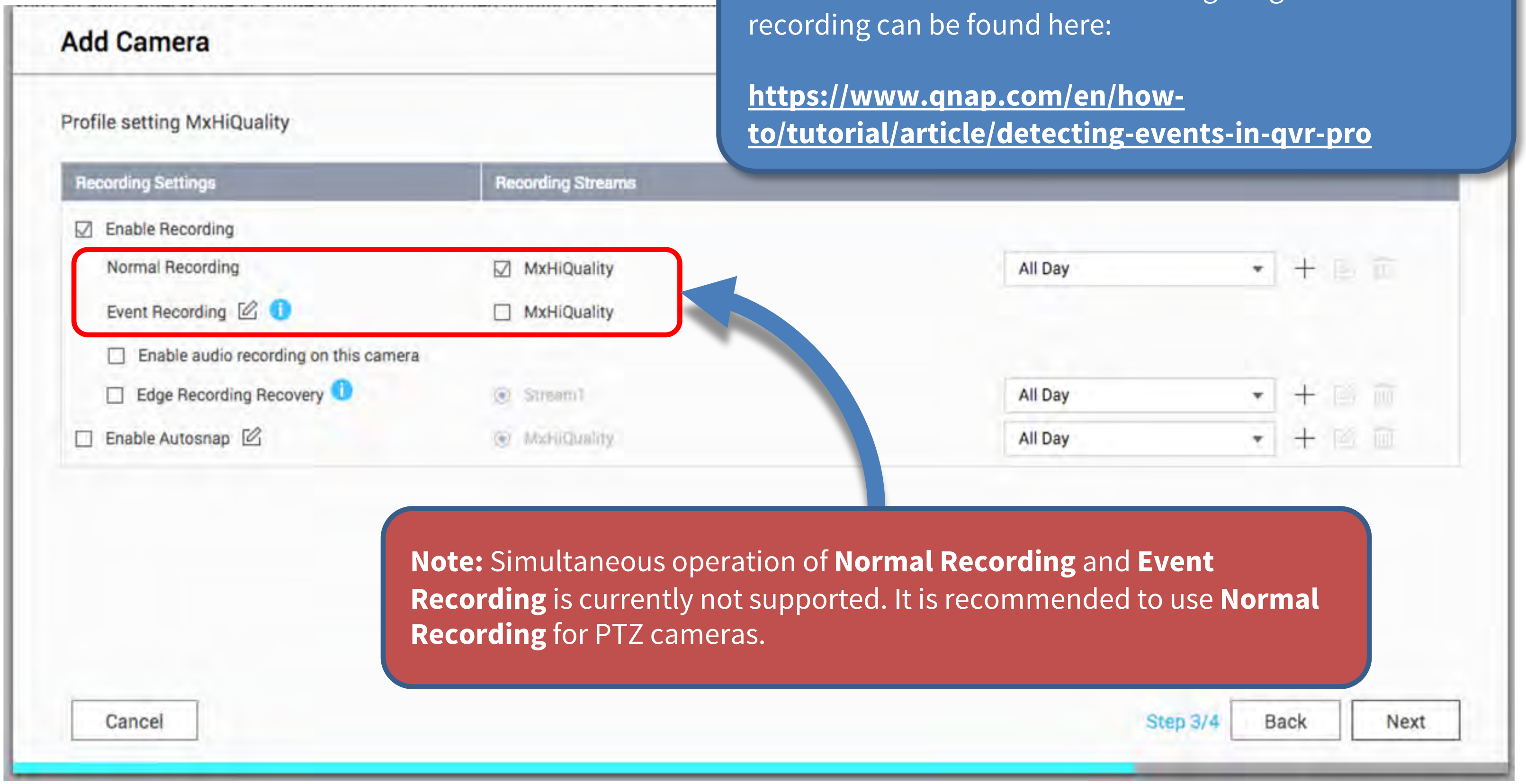
1. Enter **Name** (unique description).
2. Enter **Account** and **Password**.
3. Click **Test** button for each camera.

Note: The **Preview** image will not appear in this step.

Step 14: Add Cameras in QVR (3)

4. Define the recording settings (**Normal Recording** = continuous recording, **Event Recording** = event controlled) in this step.

Note: When the camera is added, two profiles (MxHiQuality for HiRes and MxLoQuality for LoRes) are automatically created in MxMC. The values set in MxMC for MxHiQuality are automatically transferred to the MOBOTIX NAS.



Add Camera

Profile setting MxHiQuality

☑ Enable Recording
Normal Recording ☑ MxHiQuality All Day
Event Recording ☐ MxHiQuality
☐ Enable audio recording on this camera
☐ Edge Recording Recovery ● Stream1 All Day
☐ Enable Autosnap ● MxHiQuality All Day

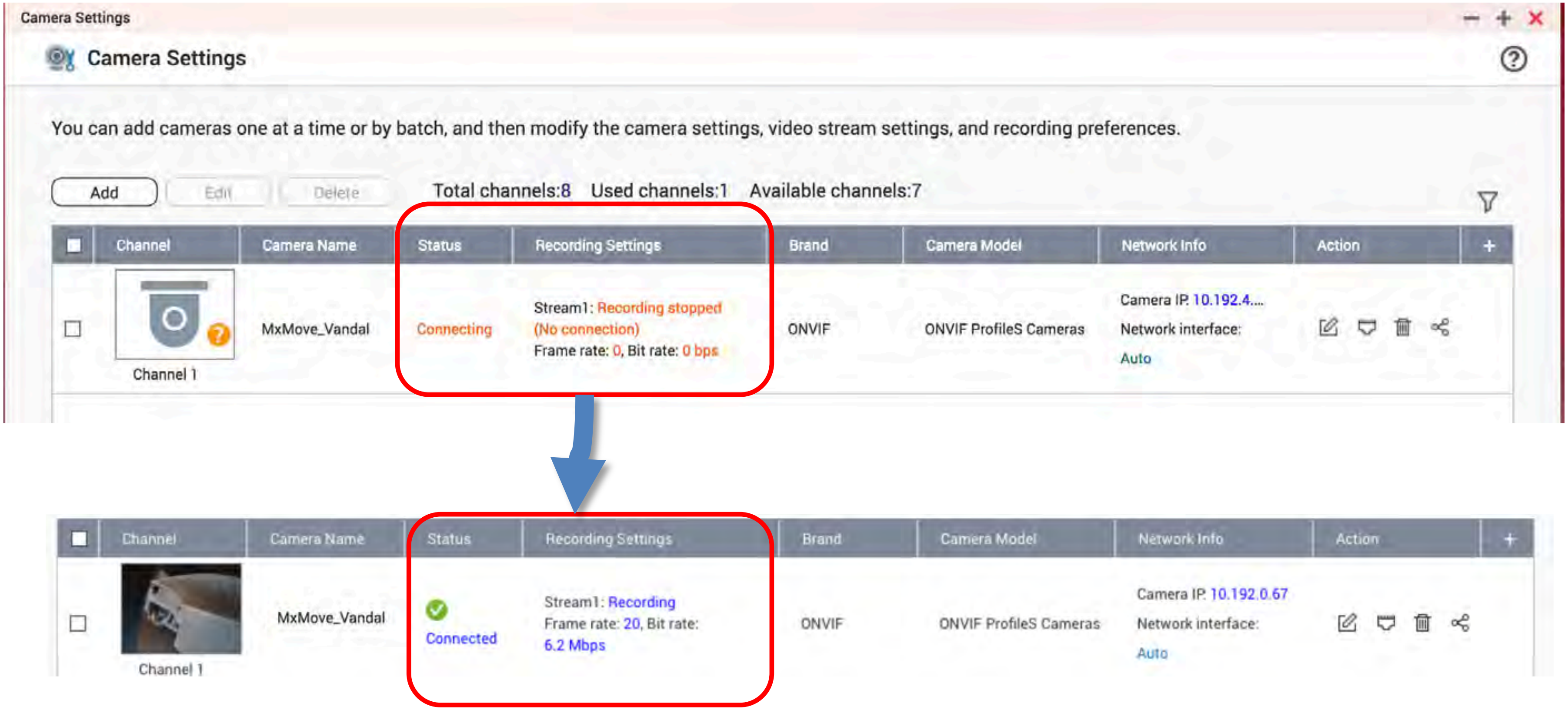
Note: Detailed instructions for configuring event recording can be found here:

https://www.qnap.com/en/how-to/tutorial/article/detecting-events-in-qvr-pro

Note: Simultaneous operation of **Normal Recording** and **Event Recording** is currently not supported. It is recommended to use **Normal Recording** for PTZ cameras.

Step 15: Finish MOBOTIX NAS Setup

1. Finish and then close the wizard.
2. In the **Camera Settings** window, check that all cameras have been added to the QVR Pro software.
3. Wait about 5 min until the MOBOTIX NAS has **connected to the new cameras**.



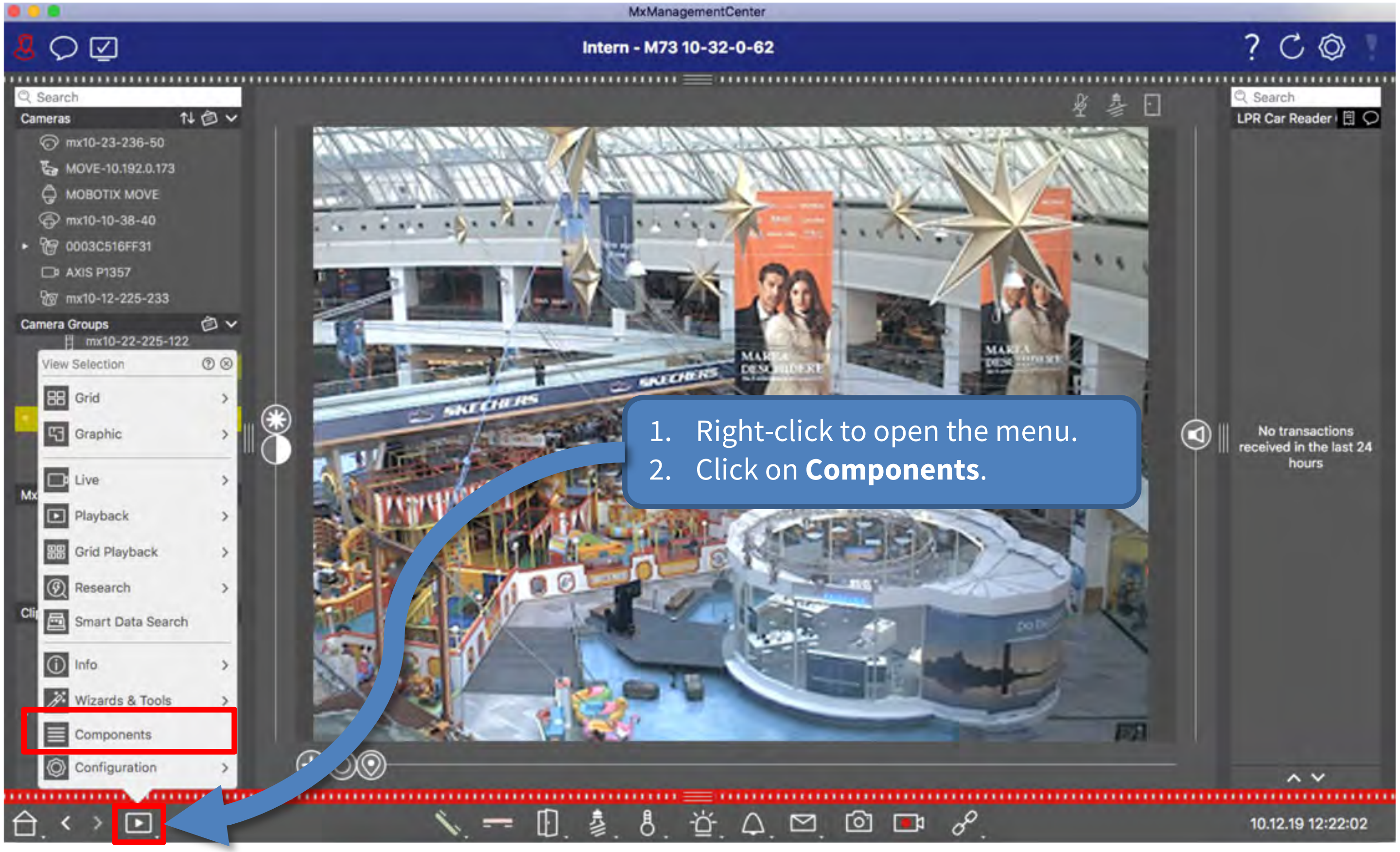
You can add cameras one at a time or by batch, and then modify the camera settings, video stream settings, and recording preferences.

Total channels:8 Used channels:1 Available channels:7

☐	Channel	Camera Name	Status	Recording Settings	Brand	Camera Model	Network Info	Action
☐	Channel 1	MxMove_Vandal	Connecting	Stream1: Recording stopped (No connection) Frame rate: 0, Bit rate: 0 bps	ONVIF	ONVIF ProfileS Cameras	Camera IP: 10.192.4.... Network interface: Auto	

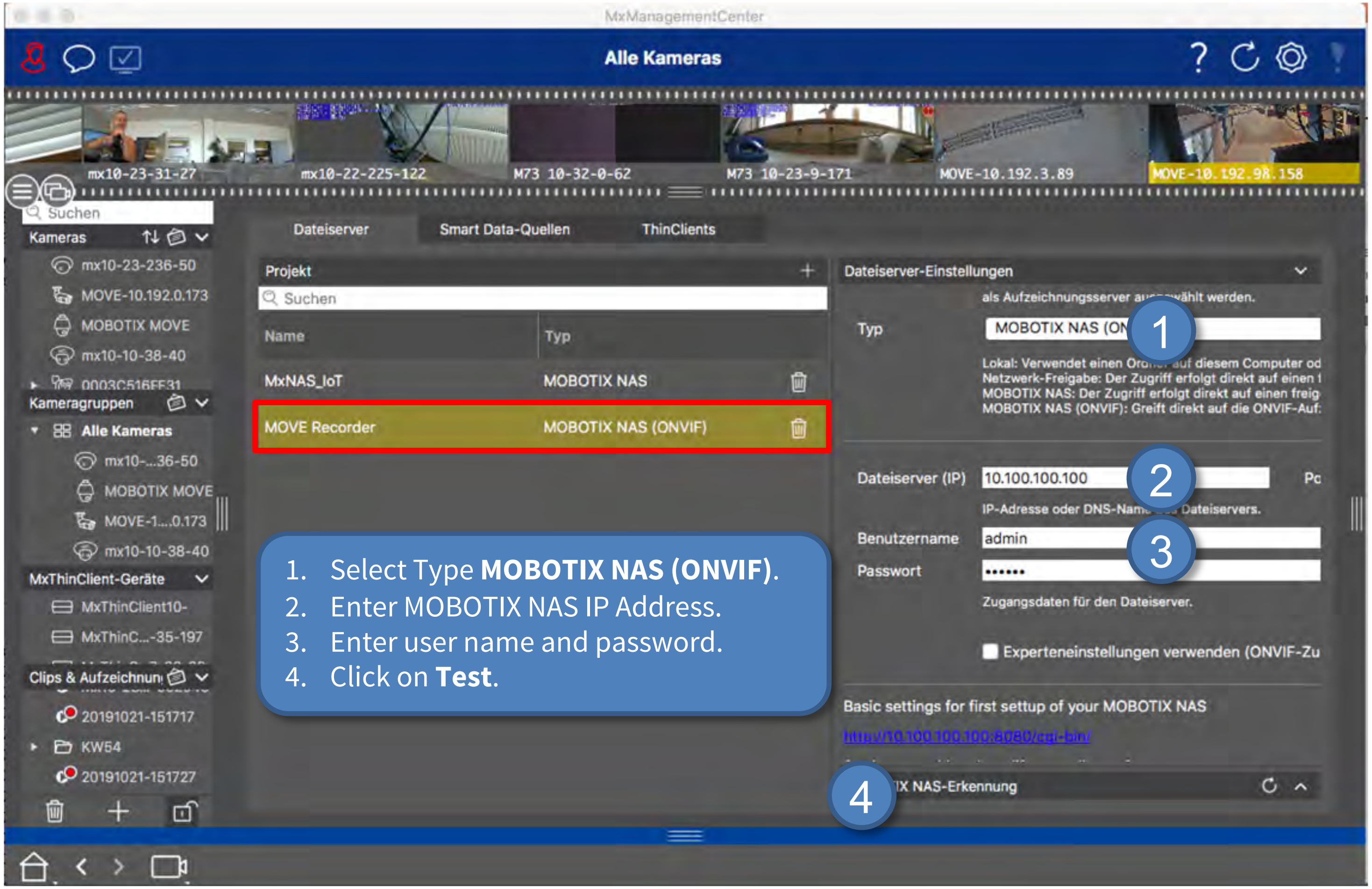
☐	Channel	Camera Name	Status	Recording Settings	Brand	Camera Model	Network Info	Action
☐	Channel 1	MxMove_Vandal	✓ Connected	Stream1: Recording Frame rate: 20, Bit rate: 6.2 Mbps	ONVIF	ONVIF ProfileS Cameras	Camera IP: 10.192.0.67 Network interface: Auto	

Step 16: Assign Recording Paths in MxManagementCenter (1)


MxManagementCenter
Intern - M73 10-32-0-62
Search
Cameras
mx10-23-236-50
MOVE-10.192.0.173
MOBOTIX MOVE
mx10-10-38-40
0003C516FF31
AXIS P1357
mx10-12-225-233
Camera Groups
mx10-22-225-122
View Selection
Grid
Graphic
Live
Playback
Grid Playback
Research
Smart Data Search
Info
Wizards & Tools
Components
Configuration
Search
LPR Car Reader
No transactions received in the last 24 hours
10.12.19 12:22:02

1. Right-click to open the menu.
2. Click on **Components**.

Step 16: Assign Recording Paths in MxManagementCenter (3)



MxManagementCenter
Alle Kameras
mx10-23-31-27
mx10-22-225-122
M73 10-32-0-62
M73 10-23-9-171
MOVE-10.192.3.89
MOVE-10.192.98.158
Suchen
Kameras
mx10-23-236-50
MOVE-10.192.0.173
MOBOTIX MOVE
mx10-10-38-40
0003C516FF31
Kameragruppen
Alle Kameras
mx10-...36-50
MOBOTIX MOVE
MOVE-1....0.173
mx10-10-38-40
MxThinClient-Geräte
MxThinClient10-
MxThinC...-35-197
Clips & Aufzeichnun
20191021-151717
KW54
20191021-151727
Dateiserver
Smart Data-Quellen
ThinClients
Projekt
Suchen
Dateiserver-Einstellungen
1
2
3
4
Experteneinstellungen verwenden (ONVIF-Zu
IX NAS-Erkennung

Name	Typ
MxNAS_IoT	MOBOTIX NAS
MOVE Recorder	MOBOTIX NAS (ONVIF)

als Aufzeichnungsserver au...wählt werden.

Typ: MOBOTIX NAS (ON

Lokal: Verwendet einen Ord... auf diesem Computer od
Netzwerk-Freigabe: Der Zugriff erfolgt direkt auf einen f
MOBOTIX NAS: Der Zugriff erfolgt direkt auf einen freig
MOBOTIX NAS (ONVIF): Greift direkt auf die ONVIF-Auf:

Dateiserver (IP): 10.100.100.100 Pc

IP-Adresse oder DNS-Nam... Dateiservers.

Benutzername: admin

Passwort: ••••••

Zugangsdaten für den Dateiserver.

☐ Experteneinstellungen verwenden (ONVIF-Zu

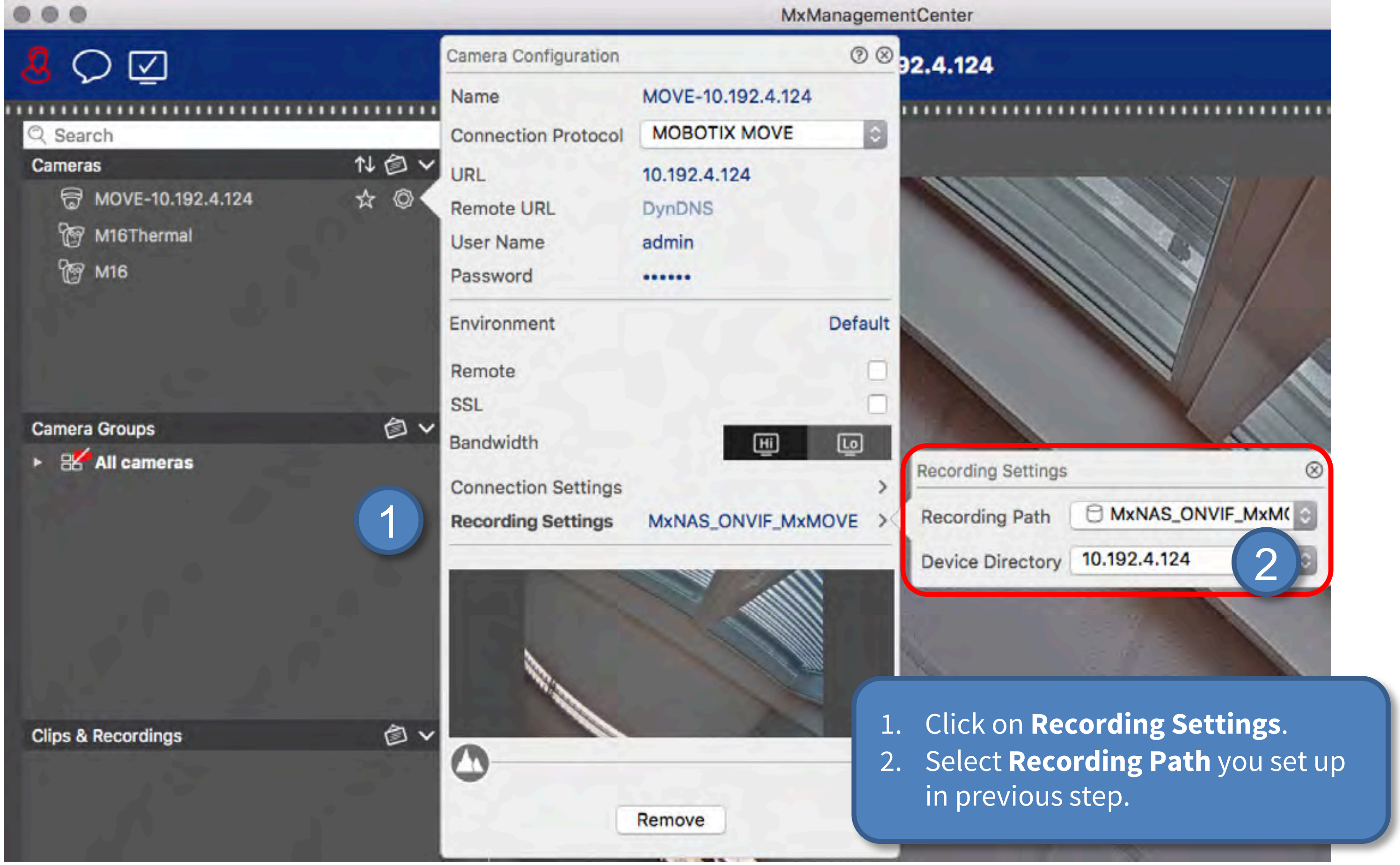
Basic settings for first settup of your MOBOTIX NAS

http://10.100.100.100:8080/cgi-bin/

1. Select Type **MOBOTIX NAS (ONVIF)**.
2. Enter MOBOTIX NAS IP Address.
3. Enter user name and password.
4. Click on **Test**.

Step 17: Set up MxMC Recording Settings for Each Camera

1. In the **Recording Settings** of MxManagementCenter, select the corresponding **Recording Path** (MOBOTIX NAS). Then make sure that the correct camera IP is specified under **Device Directory**.


MxManagementCenter
92.4.124
Search
Cameras
MOVE-10.192.4.124
M16Thermal
M16
Camera Groups
All cameras
Clips & Recordings
Camera Configuration
Hi
Lo
Remove
1
2

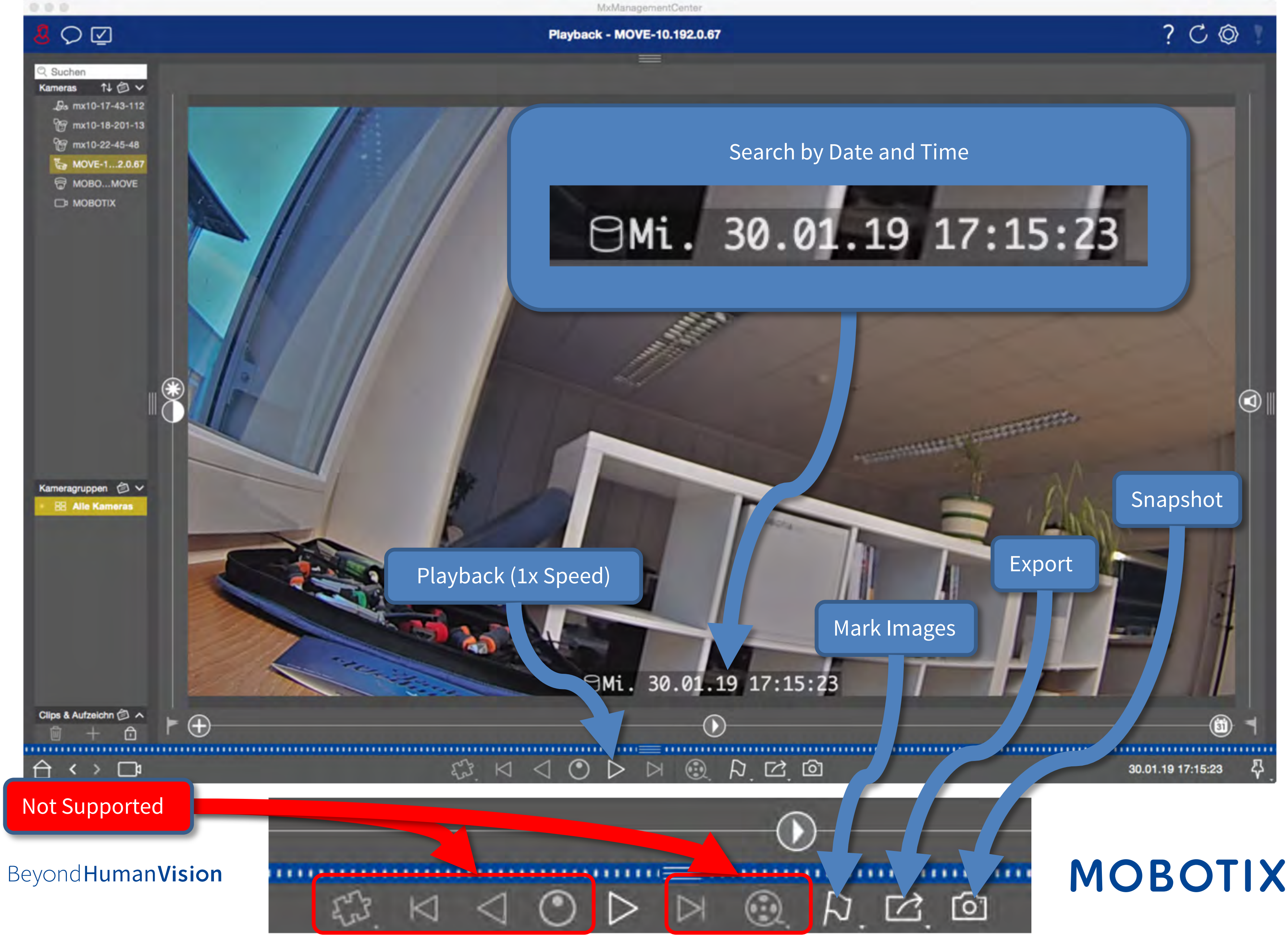
Name MOVE-10.192.4.124
Connection Protocol MOBOTIX MOVE
URL 10.192.4.124
Remote URL DynDNS
User Name admin
Password ••••••
Environment Default
Remote ☐
SSL ☐
Bandwidth
Connection Settings
Recording Settings MxNAS_ONVIF_MxMOVE

Recording Settings
Recording Path MxNAS_ONVIF_MxM(
Device Directory 10.192.4.124

1. Click on **Recording Settings**.
2. Select **Recording Path** you set up in previous step.

2. You can now play back the camera recordings in MxManagementCenter.

Done – MxMC Playback of MOVE/ONVIF Cameras



MxManagementCenter
Playback - MOVE-10.192.0.67
Suchen
Kameras
mx10-17-43-112
mx10-18-201-13
mx10-22-45-48
MOVE-1...2.0.67
MOBO...MOVE
MOBOTIX
Kameragruppen
Alle Kameras
Clips & Aufzeichn
Mi. 30.01.19 17:15:23
30.01.19 17:15:23

Search by Date and Time

Playback (1x Speed)

Mark Images

Export

Snapshot

Not Supported

BeyondHumanVision

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