

Quick Guide – MOBOTIX NAS & IoT Cameras

Setting up MOBOTIX NAS/MxManagementCenter Using IoT Cameras



MOBOTIX NAS
2-Bay/8 Channels



MOBOTIX NAS
4-Bay/16 Channels



MOBOTIX NAS
8-Bay/32 Channels

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 IoT Cameras: 5.2.x (Mx6), 4.7.x (Mx3)
- 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 IoT cameras from the MOBOTIX website www.mobotix.com:

- Support > Download Center > Software Downloads

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 **MxPEG**.
- Using the **Advanced Configuration** feature of MxManagementCenter requires a license. This is recommended for quick and easy setup of a video surveillance system.

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

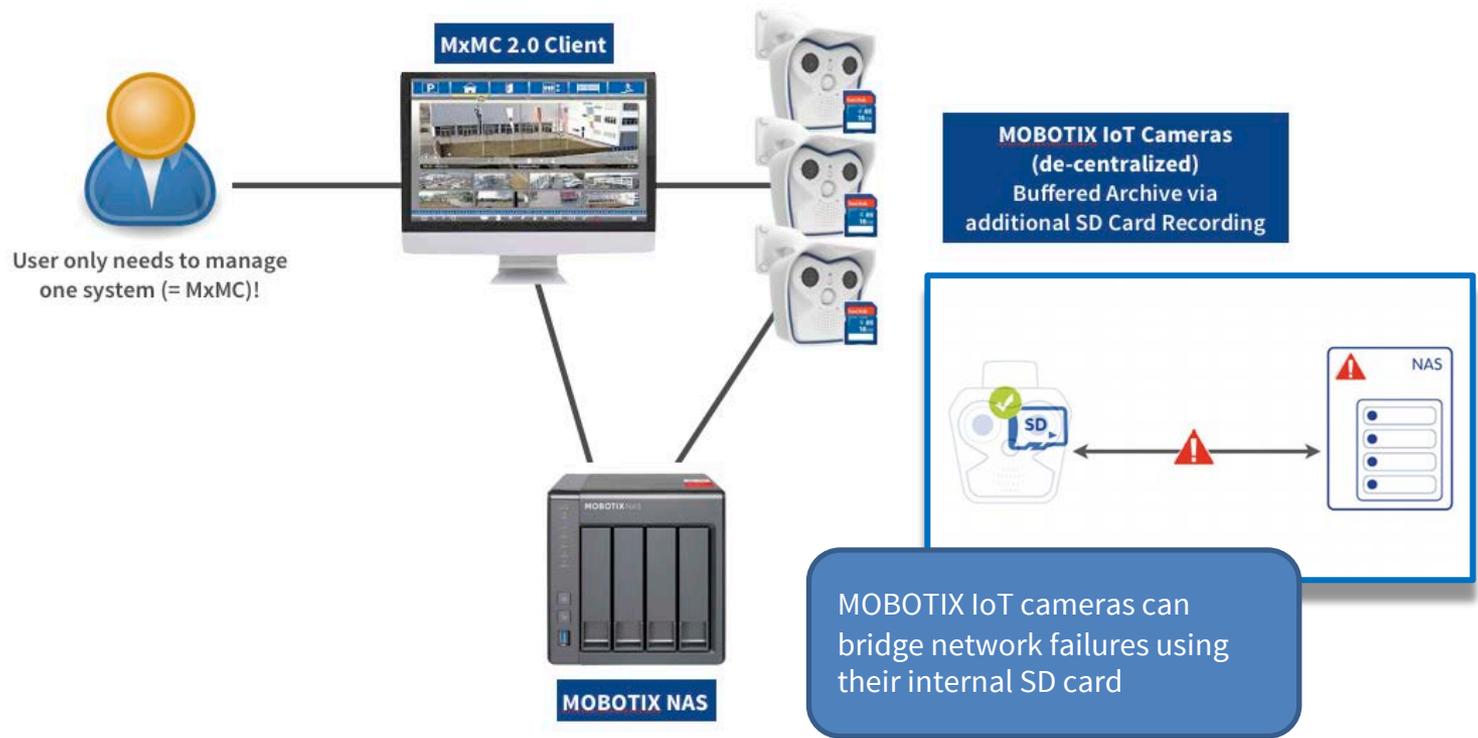
- Support > Download Center > Documentation > Brochures & Guides > Tutorials

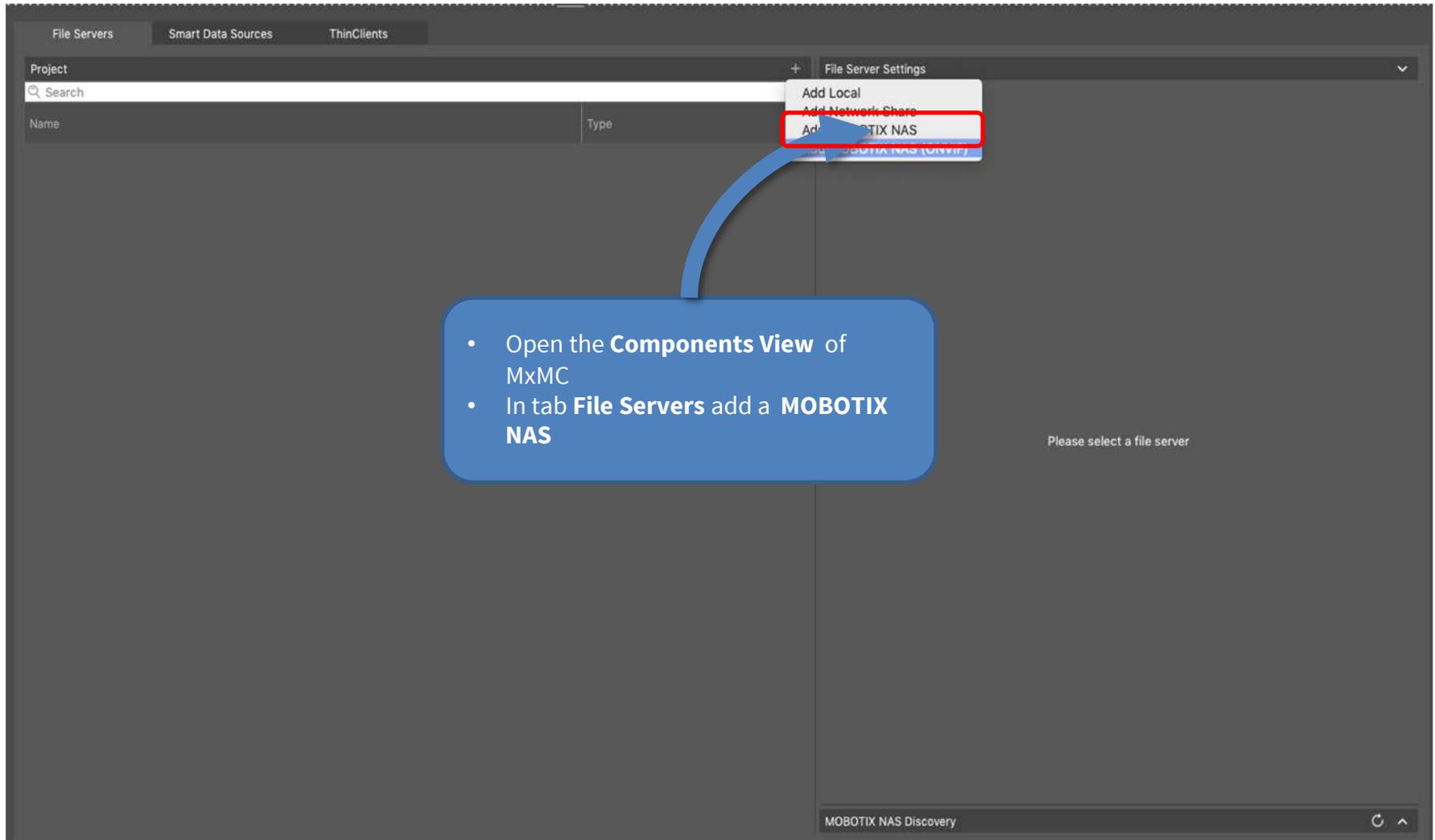
Password Security!

- **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**”.
- **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 objective of this document is to set up a MOBOTIX NAS as a **storage device** for **MOBOTIX IoT cameras**. In this scenario, the cameras will be using the NAS as **network share**.

The **MOBOTIX NAS QVRProServer** recording software is not required for recording MOBOTIX IoT cameras on the NAS. For most efficient configuration of camera settings, use the **Advanced Configuration** feature of MxManagementCenter.





The screenshot shows the MxManagementCenter interface with the 'File Servers' tab selected. A context menu is open over the 'File Server Settings' area, with the 'Add MOBOTIX NAS' option highlighted in red. A blue callout box with a curved arrow points to this option. The callout box contains the following instructions:

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

The main interface area displays a table with columns for 'Name' and 'Type', and a message that says 'Please select a file server'. At the bottom, there is a 'MOBOTIX NAS Discovery' status bar with a refresh icon and an upward arrow.

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
- File Station
- System Log

Qvr Pro Basic Settings

- Recording Storage
- Camera Settings
- Add Camera
- Event Management
- Log

1 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://8/cgi-bin/>

MOBOTIX NAS Discovery

- From the **Download Links** section, download and install the **Device Finder app**
- Optional: Download the latest **NAS firmware** (see also step 6)

Finder Pro 2.6.1

Finder PRO

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

1

Lesezeit...	Name	IP-Adresse
	NAS15BDAA	192.168.1.144
	ie-mxnas1	10.1.1.13
	NAS-ImageProc	10.250.2.1
	QANFSFTP	10.1.2.51

Intelligente Installationsanleitung

Server noch nicht initialisiert

'NAS15BDAA' (192.168.1.144) wurde noch nicht initialisiert.

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

Nein Ja

Diese Meldung beim nächsten Mal Immer fragen

2

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

The screenshot displays the configuration interface for a NAS device, version 4.3.4.0807mx, with the language set to Deutsch. A progress bar at the top indicates seven steps: 1. NAME / KENNWORT, 2. DATUM / UHRZEIT, 3. NETZWERK, 4. DIENSTE, 5. DATENTRÄGER, 6. MULTIMEDIA, and 7. ZUSAMMENFASSUNG. Step 1 is currently active.

The main configuration area is titled 'NAS-Namen und Administratorkennwort eingeben'. It contains the following fields and options:

- NAS-Name: NAS15BDAA
- Benutzername: admin
- Kennwort: Kennwort
- Kennwort bestätigen: Kennwort bestätigen
- Password anzeigen

A red box highlights the 'NAS-Name' and 'Kennwort' fields. A blue circle with the number '1' and an arrow points to the 'Kennwort' field.

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

At the bottom of the form, there are three buttons: 'Abbrechen', 'Zurück', and 'Weiter'.

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

NAS 4.3.4.0807mx Deutsch

NAME / KENNWORT DATUM / UHRZEIT NETZWERK DIENSTE DATENTRÄGER MULTIMEDIA ZUSAMMENFASSUNG

Datenträgerkonfiguration auswählen

Das neue Speicherpooldesign ermöglicht Nutzern das Kombinieren zahlreicher RAID-Gruppen in mehr Flexibilität. Im Speicherpool können Sie zahlreiche Volumes zur Erfüllung verschiedener Anforderungen beispielsweise zwei Volumes erstellen, eines zur Überwachung und eines zur Datenspeicherung. Bitte wählen Sie den Volume-Typ, den Sie erstellen möchten. Sie können diesen Schritt überspringen und ihn später einrichten.

Hinweis: Wenn Sie Qtier zu Auto-Tiering von Daten nutzen möchten, müssen Sie **Datenträger jetzt konfigurieren** wählen.

Datenträger jetzt konfigurieren **1**

Datenträger später konfigurieren

Volume-Typ: Thin (Multi-Volume)

Dieses Modell bietet großartige Flexibilität und Speicherplatz. Zuweisen einer gewünschten Volume-Größe aus dem Speicherplatz und die Erstellung mehrerer Volumes in demselben Speicherpool.

SATA SSD/HDD

Steckp...	Modell	Typ	Bus-Typ	Kapazität	
<input checked="" type="checkbox"/>	1	WDC WD40EFRX-68N32N0...	HDD	SATA	3726.02 ...
<input checked="" type="checkbox"/>	2	WDC WD40EFRX-68N32N0...	HDD	SATA	3726.02 ...

RAID-Typ: RAID 1 Mehr erfahren >

Geschätzte verfügbare Größe von Speicherpool 1: 3.62 TB

Max. Kapazität: 7.25 TB (abhängig von RAID-Typ)

Abbrechen Zurück Weiter

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

Intern

File Servers Smart Data Sources ThinClients

Project

Search

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

File Server Settings

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

Type: MOBOTIX NAS
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.

Server (IP): 10.100.100.100
IP address or DNS name of the computer with the share.

Directory: recordmxiot
Name of the share on the computer.

User Name: admin

Password: *****
Access data for the network share.

Test

MOBOTIX NAS Configuration

Quick Guides:

- NAS & MOVE/ONVIF - Guide

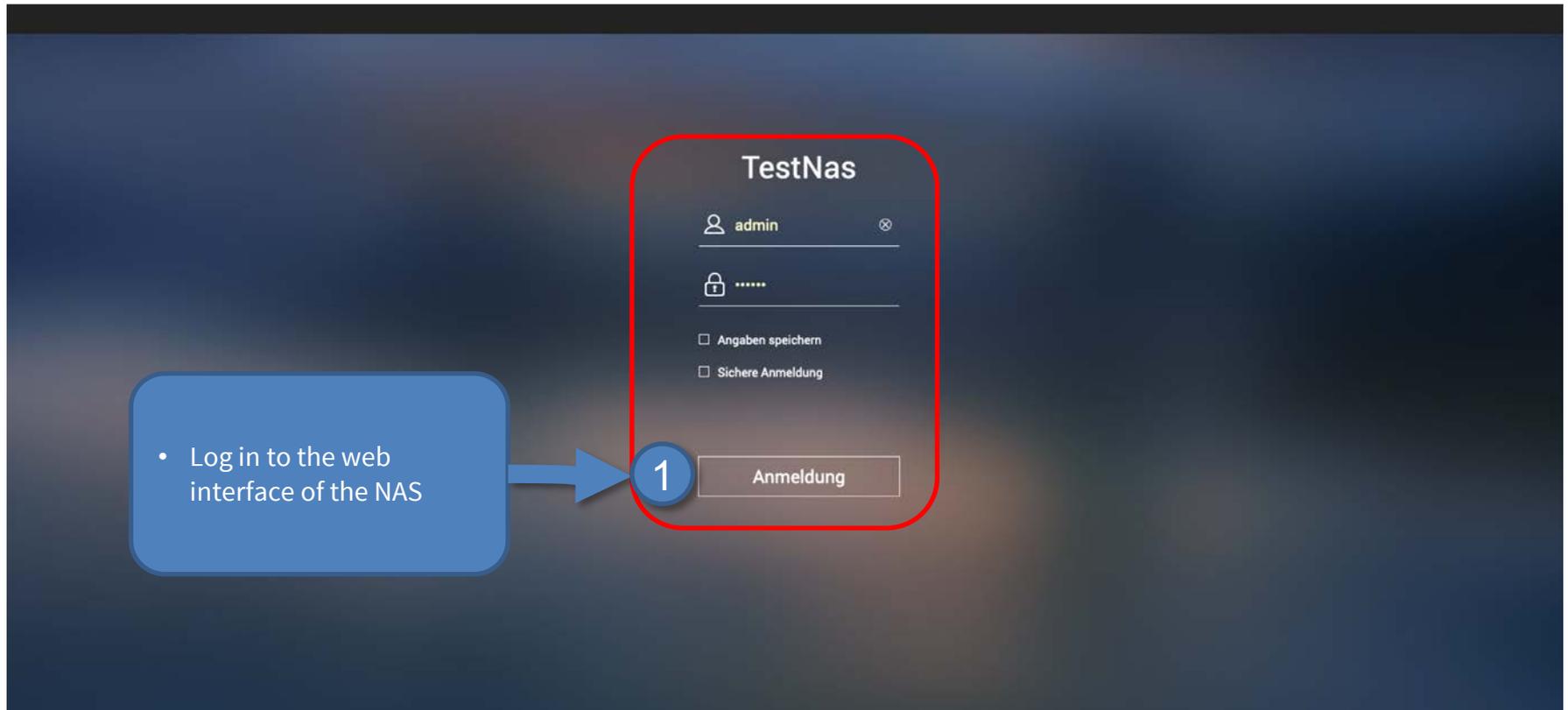
Installation and Configuration

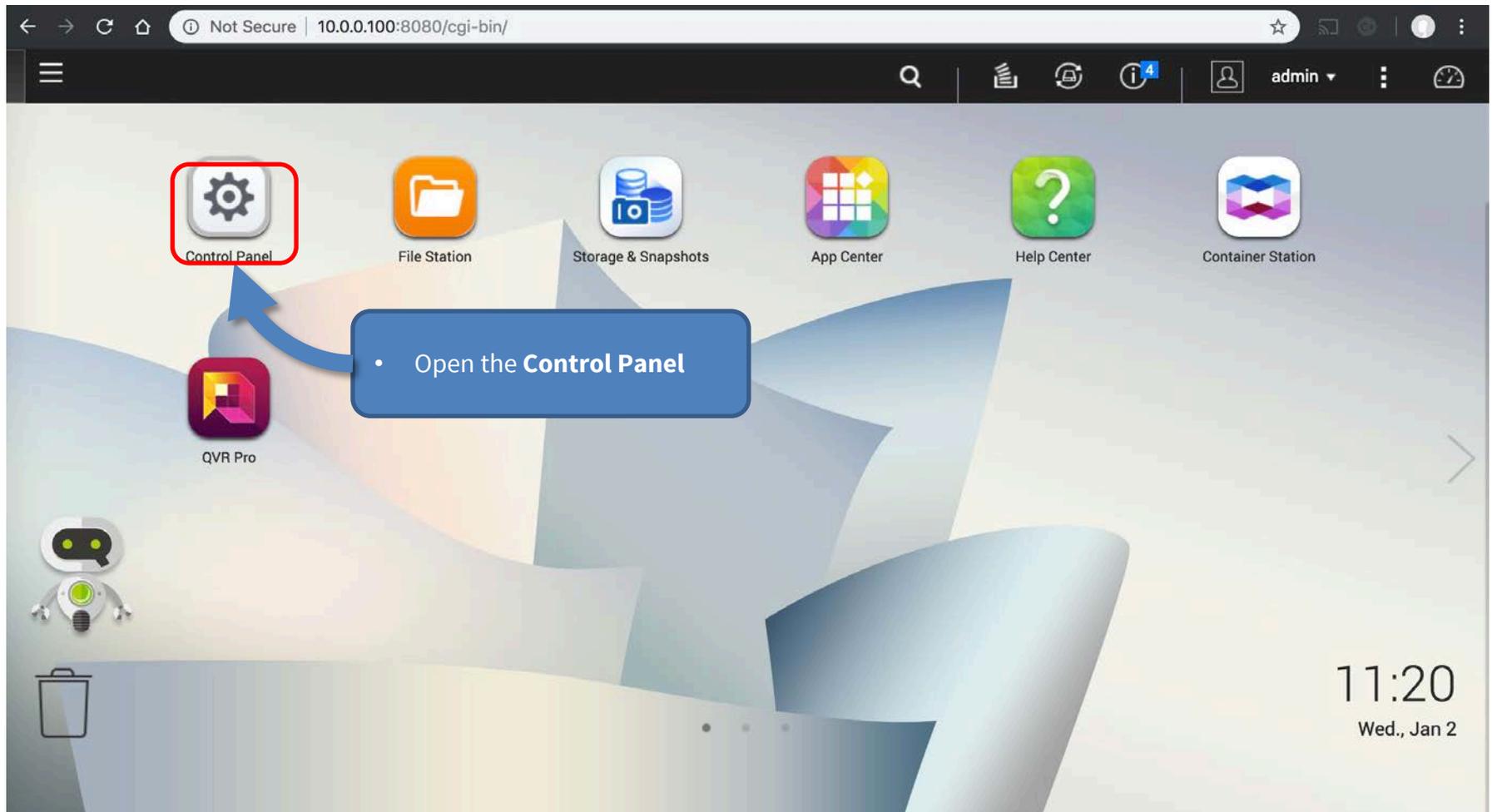
Open Device Finder **Configure NAS** Qvr Pro Settings Recording Storage

MOBOTIX NAS Discovery

• Enter the access data for your NAS under File Server Settings

• Click Configure NAS





The screenshot shows the ControlPanel interface for a NAS-251+G device. The interface is organized into several sections:

- System:** Includes options for Allgemeine Einstellungen, Leistung, Externes Gerät, Speicher & Snapshots, Benachrichtigung, Verwaltung, Sicherheit, and Hardware. The 'Sicherheit' section is highlighted with a red box, and the 'Firmwareaktualisierung' option is pointed to by a blue arrow.
- Rechte:** Includes options for Benutzer, Domainsicherheit, Benutzergruppen, Domainsicherheit, Freigabe, and Kontingent.
- Netzwerk- und Dateiservices:** Includes options for Network & Virtual Switch, SNMP, Netzwerk, Diensterkennung, FTP, and Netzwerkpapierkorb.
- Anwendungen:** Includes options for Transkodierungsverwaltung, Syslog Server, NTP Server, Webserver, Antivirus, LDAP Server, RADIUS Server, SQL Server, and TFTP Server.

A blue callout box with the text "Click on Firmware Update" is positioned over the 'Firmwareaktualisierung' option. The system information at the top right indicates: Firmware-Version: 4.3.4.0807mx Build 20181220, CPU: intel(R) Celeron(R) CPU J1900 @ 2.00GHz, and Speicher: 8 GB (7860.0 MB nutzbar).

Systemsteuerung

ControlPanel

Systemsteuerung

System

Speicher & Snapshots

Sicherheit

Hardware

Leistung

Benachrichtigung

Firmwareaktualisierung

Systemkonfiguration

Externes Gerät

Verwaltung

Systemprotokolle

Ressourcenmonitor

Rechte

Netzwerk- und

Anwendungen

Systemsteuerung

Firmwareaktualisierung

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 Produkt...

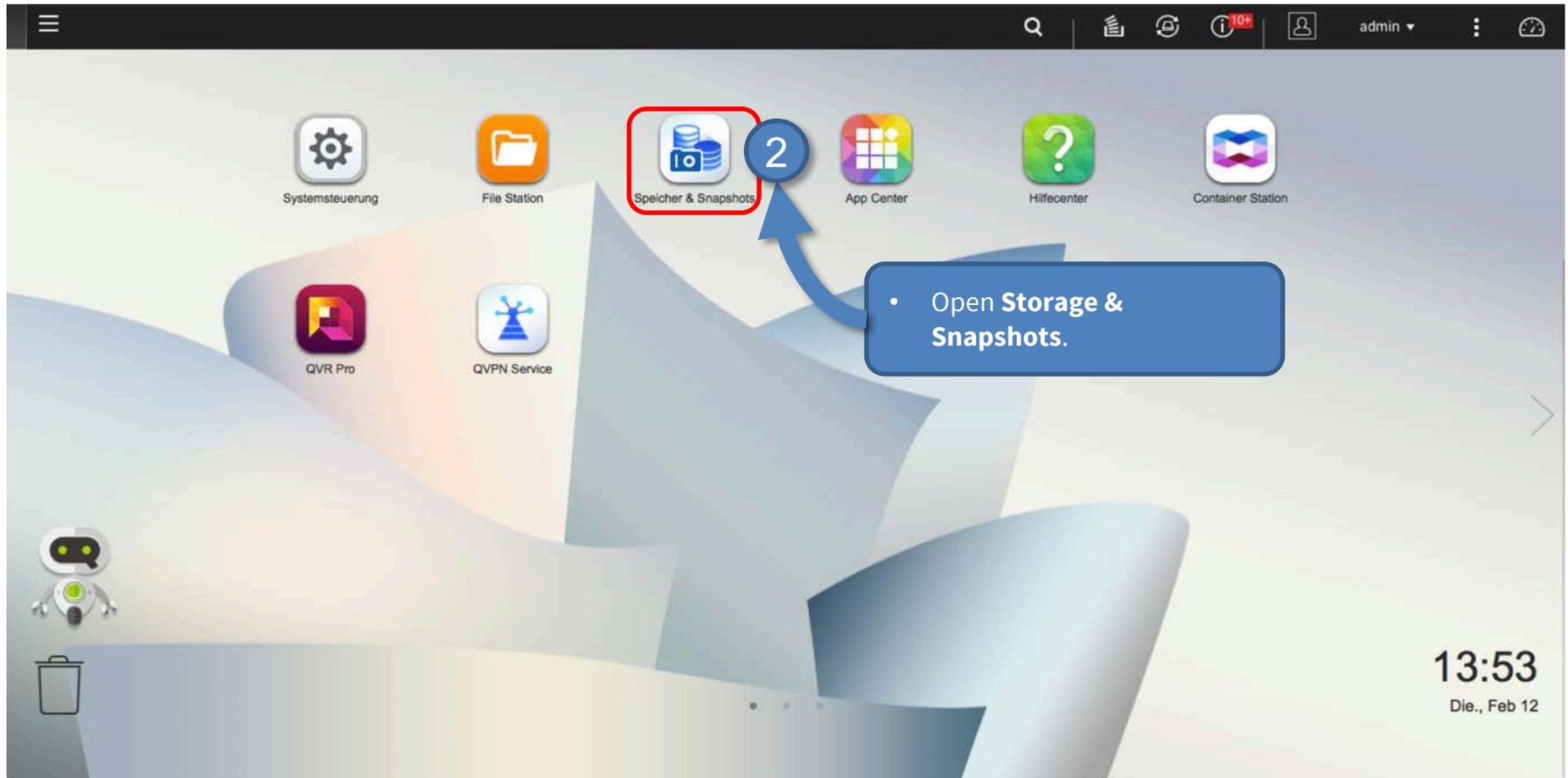
1. Schritt 2: Sichern Sie vor dem Aktualisieren der Systemfirmware alle Daten auf...

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

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

12:34
Mit., Feb

- Select the firmware (see step 1)
- Click on **Update System**
- Follow the instructions on the screen



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

The screenshot shows the 'Storage & Snapshots' management interface. On the left is a navigation sidebar with categories: Overview, Storage, Snapshot, Storage, Cache Acceleration, External Storage, Snapshot Backup, and iSCSI. The main area displays 'Total - Storage Pool: 1, Volume: 1, LUN: 0'. A table lists 'Storage Pool 1' (Ready) and 'DataVol1 (System)' (Ready). A 'Create' button with a 'New' tag is highlighted with a red box, and its dropdown menu is open, showing options: 'New Storage Pool', 'New Volume', 'New iSCSI LUN', and 'Create Virtual JBOD'. 'New Volume' is also highlighted with a red box. A blue arrow points from a callout box to the 'New Volume' option.

Name/Alias	Status	Type	Snapshot
Storage Pool 1	Ready		
DataVol1 (System)	Ready	Thick volum	-

1. Click on **Create**.
2. Click on **New Volume**.

Volume Creation Wizard

Select Type | Select Disk(s) | Configure | Summary

Create Volume

Static volume Thick volume Thin volume

Space Allocation Single fixed Multiple preallocated Multiple on-demand

Snapshots Unsupported Supported Supported

Location: **Storage Pool 1** + Free Size: 744.42 GB

Thick volumes are created from preallocated storage pool space. They offer features such as snapshots, and can be expanded easily. Thick volumes are recommended for general use.

The diagram illustrates the relationship between a Thick Volume, a Storage Pool, and RAID. A thick volume is shown as a blue bar with segments, sitting on top of a larger light blue Storage Pool bar. Below the Storage Pool is a green dashed line representing the RAID configuration.

- Select **Storage Pool 1** as **Location**.
- Click on **Next** to proceed.

Cancel Next

Step 7: Configure Volume (4)

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

Configure:

Volume Alias:

Volume capacity: (Maximum: 744.42 GB)

Storage pool capacity:

■ Allocated: 1.28 TB ■ Subscription: 0 MB ■ Free: 544.42 GB

Note: Storage features such as expansion, thin allocation and snapshots can be affected by low storage pool space. You should try to leave some space free and perform expansion later when needed.

File system option:

Bytes per inode:	4K	8K	16K	32K	64K
Maximum volume size:	15.99 TB	31.99 TB	63.99 TB	127.99 TB	250 TB
Maximum number of files/folders:	52M	26M	13M	6M	3M

Advanced Settings ▼

1 →

1. Fill in the fields as required.
2. Click on **Next** to proceed.

Note: To calculate the space requirements, use the Storage Calculator on www.mobotix.com.

→ **2**

Quick Guide – MOBOTIX NAS & MOVE/ONVIF Cameras
www.mobotix.com

Volume Creation Wizard

Select Type | Select Disk(s) | **Configure** | Summary

Summary:

Volume Alias:	DataVol2
Type:	Thick volume
Storage pool name:	Storage Pool 1
Capacity:	200GB
Bytes per inode:	32K
File system option:	Maximum volume size: 127.99 TB, Maximum number of files/folders: 6M
Alert threshold:	Yes (80%)
Encryption:	No

Note: Actual usable capacity might be smaller due to metadata storage.

Cancel | Back | **Finish**

Klick **Finish**

The screenshot shows the 'Storage & Snapshots' management interface. A dialog box titled 'Volume DataVol2 is Being Created' is displayed in the foreground. The dialog contains the following text:

Volume DataVol2 is Being Created

When the volume is ready, you can start to store data by creating a shared folder in [File Station](#).
Set up a snapshot schedule and configure snapshot guaranteed space to protect data on this volume.

Do not show this message again

Close

A blue callout box with a white arrow points to the 'Close' button, containing the text: 'Click on Close'.

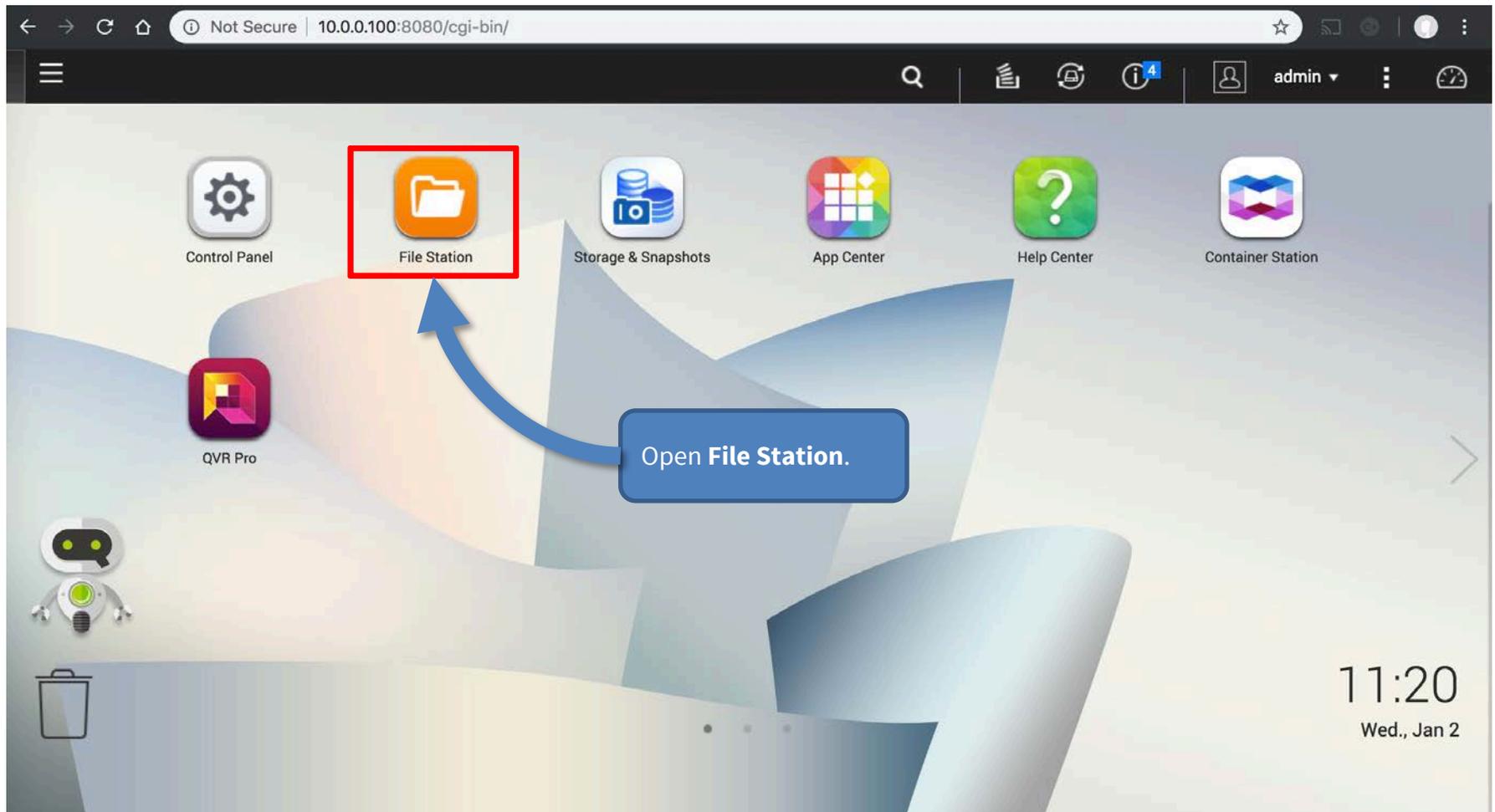
Name/Alias	Status	Type	Snapshot	Snapshot Re...	Capacity	Percent Used
Total - Storage Pool: 1, Volume: 2, LUN: 0						
Storage Pool 1	Ready				1.81 TB	
DataVol1 (System)	Ready	Thick volume			1007.29 GB	
DataVol2						

The screenshot displays the 'Storage & Snapshots' management console. The left sidebar contains navigation options: Overview, Storage, Snapshot, Storage (expanded), Disks/VJBOD, Storage/Snapshots (selected), Cache Acceleration, External Storage, Snapshot Backup (expanded), Snapshot Replica, Snapshot Vault, iSCSI (expanded), iSCSI Storage, Remote Disk, and LUN Backup. The main area shows a summary: 'Total - Storage Pool: 1, Volume: 2, LUN: 0'. Below this is a table of storage volumes:

Name/Alias	Status	Type	Snapshot	Snapshot Re...	Capacity	Percent Used
Storage Pool 1	Ready				1.81 TB	
DataVol1 (System)	Ready	Thick volume	--	--	1007.29 GB	
DataVol2	Ready	Thick volume	--	--	197.78 GB	

A blue callout box with an arrow pointing to the close button in the window title bar contains the following instructions:

- After completing the wizard, the **Storage & Snapshots** dialog shows the new volume.
- **Close** the window to proceed.



The screenshot shows the FileStation 5 web interface. On the left sidebar, the 'DataVol2' folder is selected, and its settings menu is open. A blue arrow points from the 'DataVol2' folder in the sidebar to the 'Create a Shared Folder' option in the settings menu. A blue callout box contains the following instructions:

1. Open the settings for **Data Vol2**.
2. Select **Create a Shared Folder**.

The main content area displays a table of files and folders:

Name	Modified Date	Type	Size
@Recycle	2018/12/28 10:21:50	Folder	
Snapshot	2018/12/28 10:21:50	Folder	

Create A Shared Folder ✕

Please fill out the following fields to create a shared folder

Folder Name: **1**

Comment (optional):

Disk Volume:

Qtier Auto Tiering: Enable Auto-Tiering

Path: Specify path automatically
 Enter path manually

Configure access privileges for users **2**

Currently, only the "admin" account has full permissions for this folder.

1. Enter the **Folder Name**.
2. Configure access privileges if required.

2

Edit

Create A Shared Folder

Configure access privileges for users Close

User name	Preview	RO	RW	Deny
admin	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1

1. Enable **Read/Write (RW)** rights for the camera user (default: "admin").
2. Scroll down.

2

Page 1 / 1 | Display item: 1-1, Total: 1

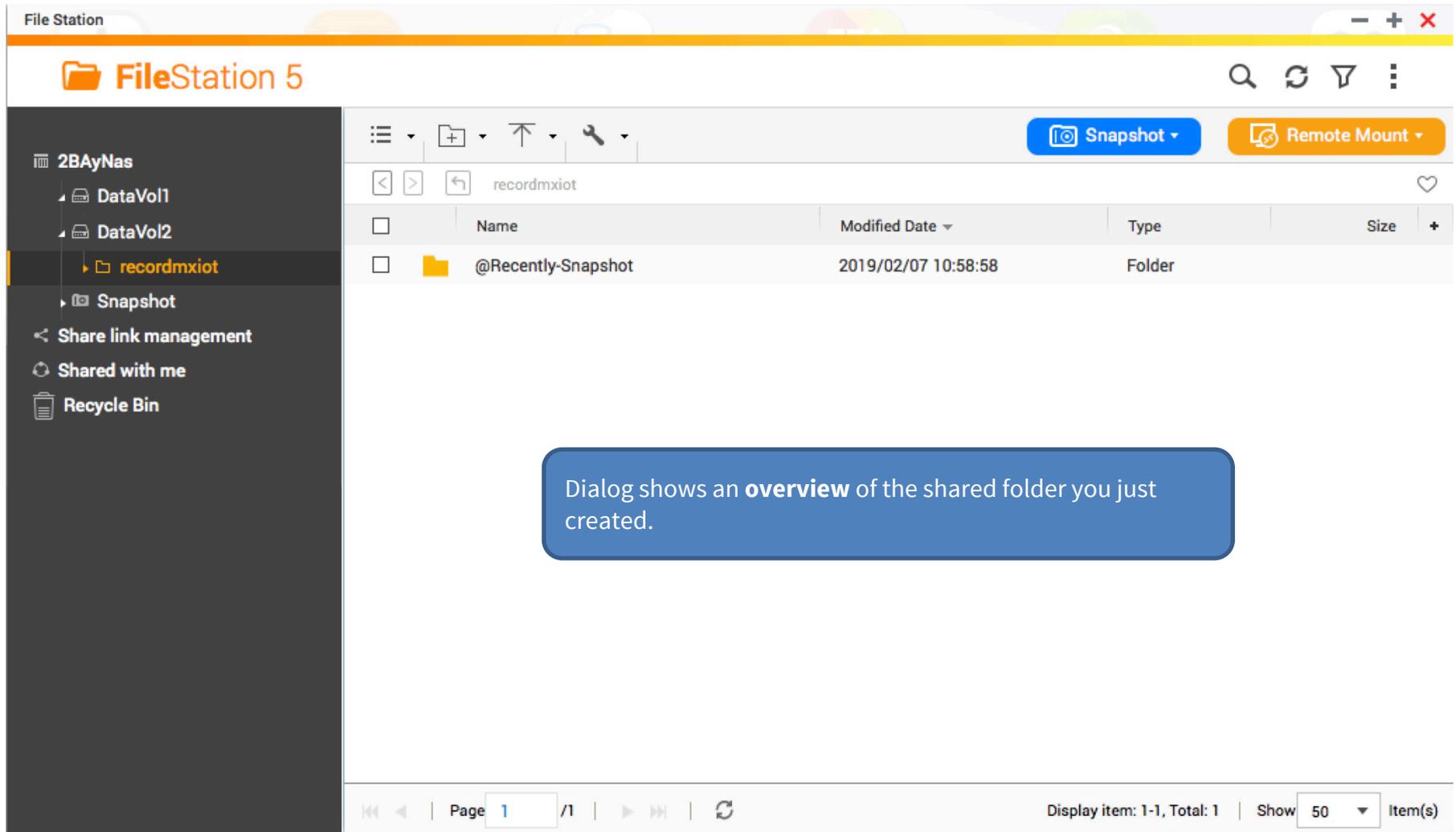
Create Cancel

The screenshot shows the 'Create A Shared Folder' dialog box. It has a title bar with a close button (X). The main content is divided into sections: 'Folder Encryption' with an 'Edit' button, and 'Advanced Settings' with a 'Close' button. Under 'Advanced Settings', there is a 'Guest Access Right' dropdown menu set to 'Deny Access'. Below that are several checkboxes: 'Hide network drive', 'Lock File (Oplocks)' (checked), 'SMB Encryption', 'Enable Network Recycle Bin' (highlighted with a red box and a blue circle with the number 1), 'Restrict the access of Recycle Bin to administrators only for n...', and 'Set this folder as the Time Machine backup folder (macOS)'. At the bottom right, there are 'Create' and 'Cancel' buttons, with the 'Create' button highlighted by a red box and a blue circle with the number 2. A blue callout box contains the following instructions:

1. Disable **Network Recycle Bin**.
2. Click on **Create**.

Step 8: Configure Share (Completed)

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The screenshot displays the FileStation 5 web interface. On the left is a navigation sidebar with a tree view containing '2BAyNas', 'DataVol1', 'DataVol2', 'recordmxiot' (highlighted), 'Snapshot', 'Share link management', 'Shared with me', and 'Recycle Bin'. The main area shows the 'recordmxiot' folder with a table of contents:

<input type="checkbox"/>	Name	Modified Date	Type	Size	+
<input type="checkbox"/>	@Recently-Snapshot	2019/02/07 10:58:58	Folder		

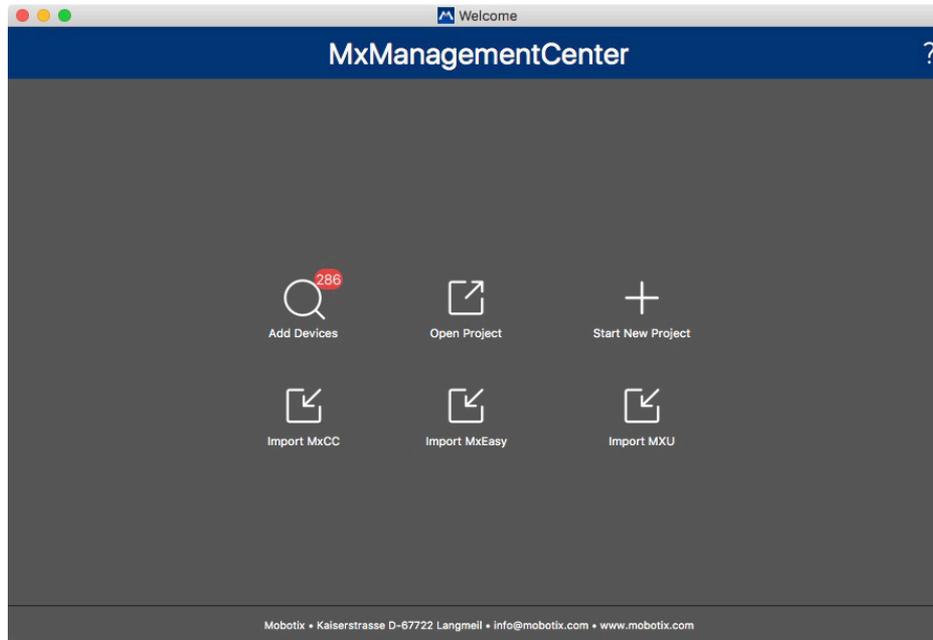
Below the table, a blue callout box contains the text: "Dialog shows an **overview** of the shared folder you just created."

At the bottom of the interface, there is a pagination bar showing "Page 1 / 1" and a "Display item: 1-1, Total: 1" indicator, along with a "Show 50 Item(s)" dropdown menu.

The screenshot displays the MxManagementCenter interface. On the left, a sidebar contains sections for Cameras, Camera Groups, MxThinClient Devices, and Clips & Recordings. The main area is titled 'Intern' and has tabs for Servers, Smart Data Sources, and ThinClients. The 'Servers' tab is active, showing a table with columns 'Name' and 'Type'. A row with 'MxNAS_JoT' and 'MOBOTIX NAS' is highlighted with a red box and a blue circle '1'. To the right, the 'File Server Settings' panel is open, showing fields for Name (MxNAS_JoT), Type (MOBOTIX NAS), File Server (IP) (10.100.100.100), Directory (recordmxiot), User Name (admin), and Password (masked). A blue circle '2' is placed over the Directory field. At the bottom of the settings panel, there is a 'Test' button with a blue circle '3' over it. A blue callout box in the center contains the following instructions:

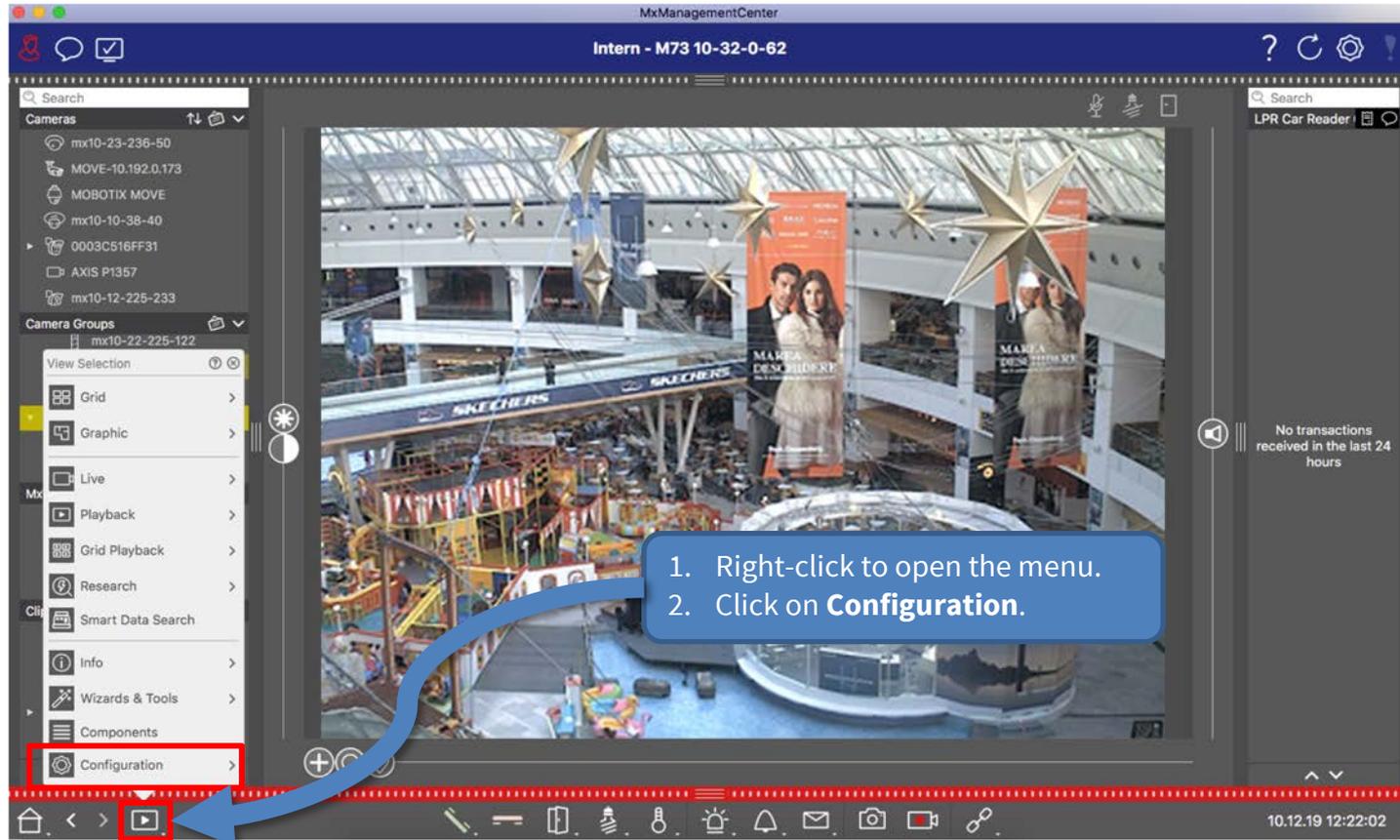
1. Select tab **File Servers**
2. Enter share name as defined before (e.g., **recordmxiot**).
3. Klick **Test** to check the connection.

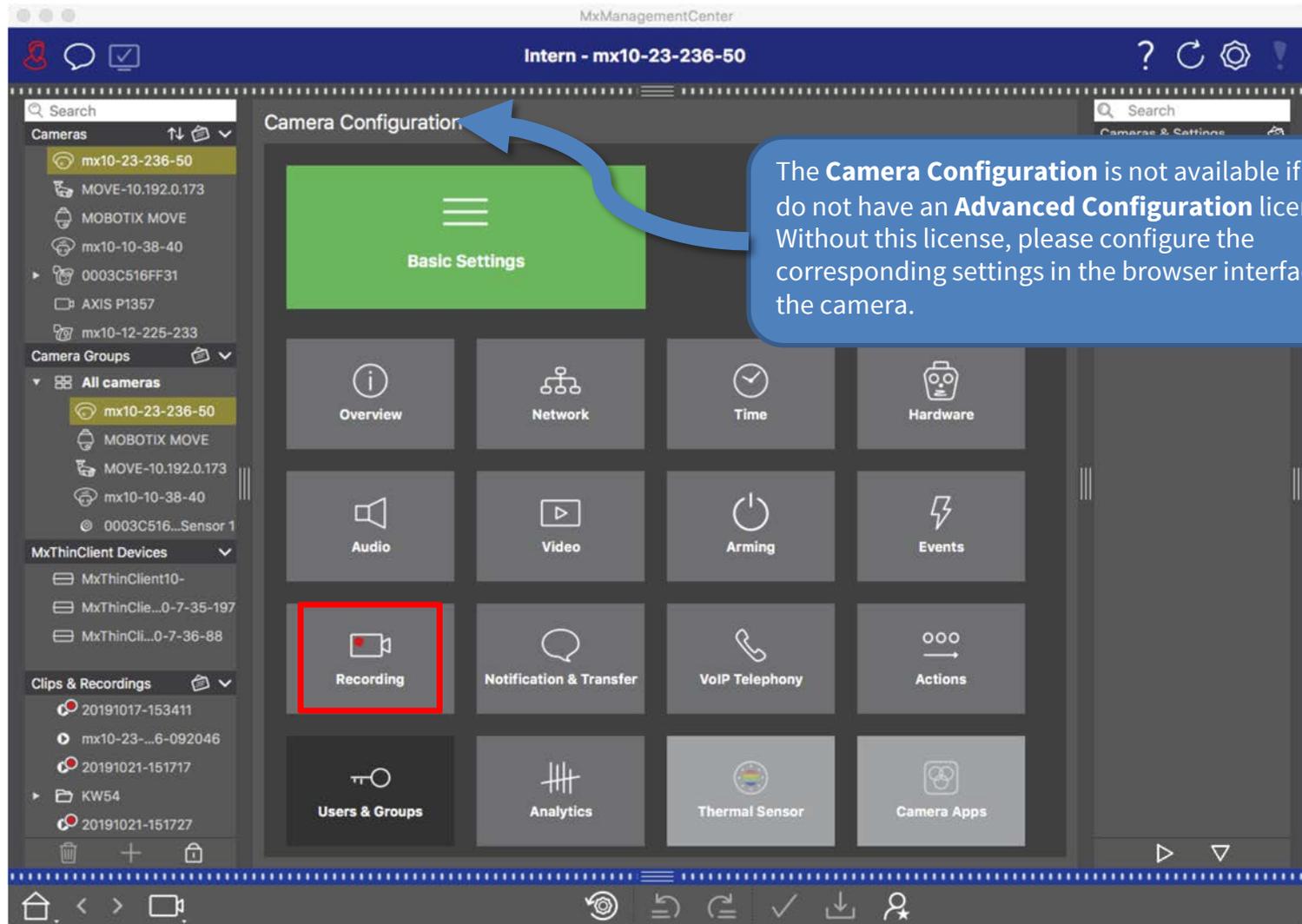
1. Start **MxManagementCenter**.
2. Start the **Welcome** wizard by clicking on **File > Welcome** in the menu bar.



3. Click on **Add Devices**. Then select the desired MOBOTIX IoT cameras to be added to MxMC.
3. Enter the access privileges for each camera.

Step 11: Configure Camera Recording (1)





1

2

3

Recording Medium: RAM Buffer

Encryption Key: [input field]

Recording Medium: SD Flash Card

M16Thermal

RAM Buffer

M16

Configuration Bar

1. Open **Storage** tab.
2. Select **RAM Buffer**.
3. Copy this setting to all desired cameras using Drag&Drop in the configuration bar.

Configuration Bar

Recording

General | Recording Mode | Storage | **Backup Storage** | Monitoring

Backup Medium: SMB/CIFS File Server

URL: 10.0.0.100

Folder: recordmxiot

User name: admin

Password:

NTLM mode: NTLM

Max. Backup Size [GiB]: 90,00

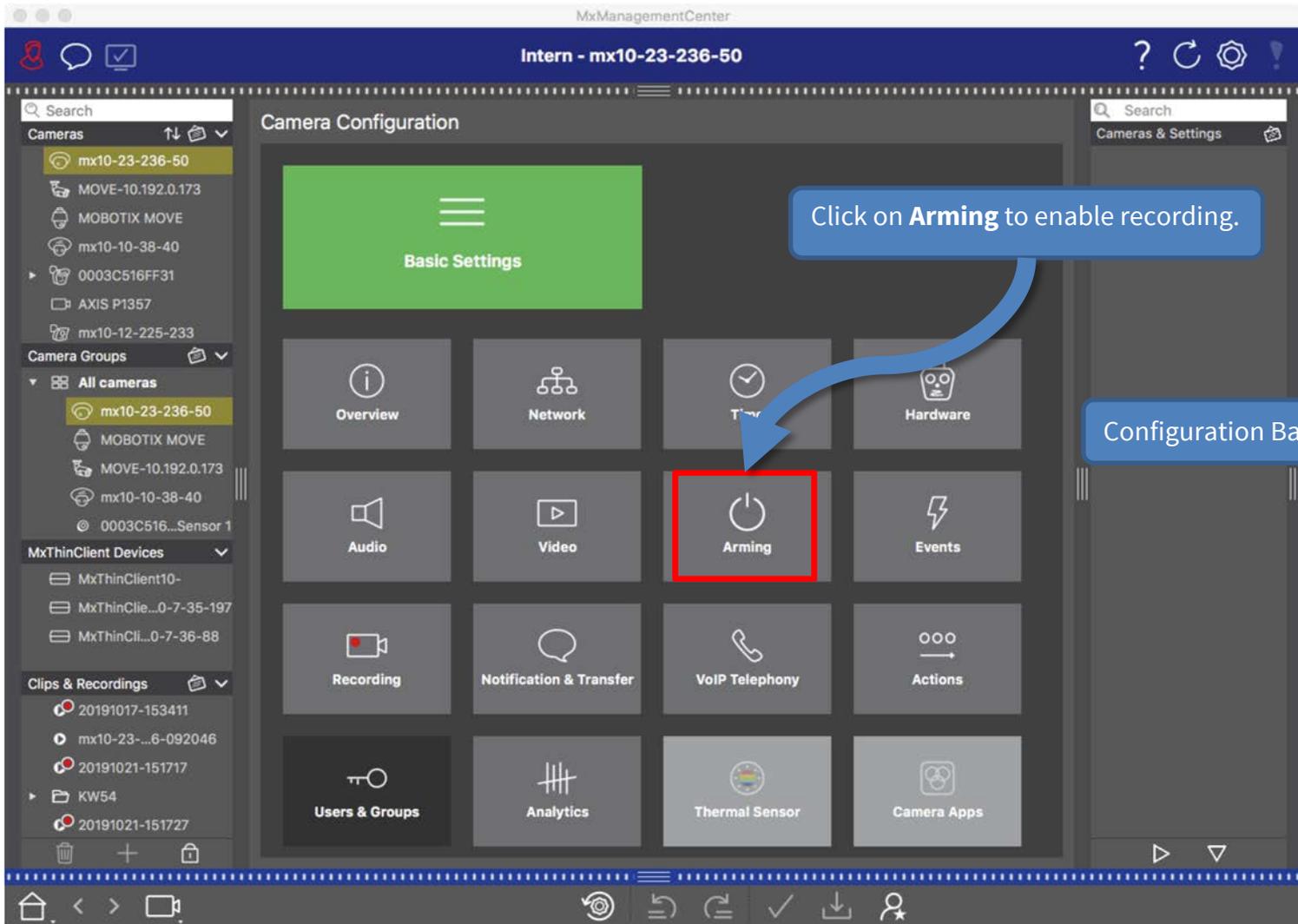
Reboot Required

To apply your changes, the following devices must be rebooted:

Type	Name	URL
	M16	10.22.224.129
	M16Thermal	10.22.94.45

Reboot later | Reboot

1. Open **Backup Storage**.
2. Select **SMB/CIFS File Server**.
3. Enter MOBOTIX NAS IP address.
4. Enter the share name of the NAS.
5. Enter user name and password for accessing the share.
6. Set **Max. Backup Size** for the camera.
7. Copy this setting to all desired cameras using Drag&Drop in the configuration bar.
8. Press the **Store** button to store the configuration.
9. **Reboot** the cameras you just modified.



Arming

General Custom Signals

Arming Enabled

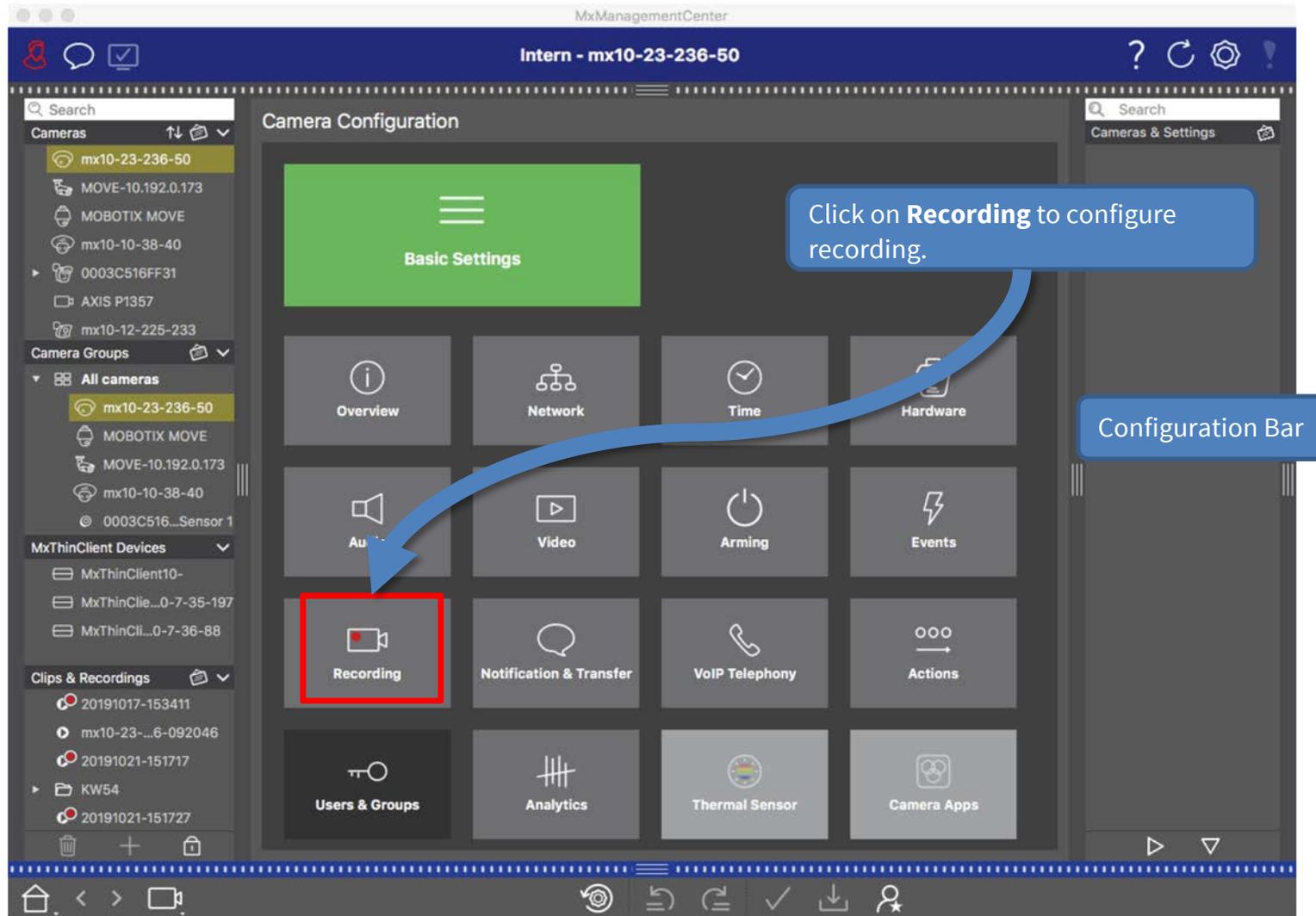
Time Table Profile (no timetable)

1

2

1. Enable the **Arming** (i.e., main switch for recording).
2. Copy this setting to all desired cameras using Drag&Drop in the configuration bar.

Configuration Bar



1 Recording Mode

2 Continuous Recording

3 6 fps

4 Continuous Recording

Recording Mode

Frames Per Second

Audio

Event Frame Rate

Recording Time After Event

Start Events

All None MI PI AS VM2 VM UC SI PE TT

Do you want to permanently store the configuration changes?
You can discard the changes that have been made since the configuration was last stored.

Discard Cancel Store

5 **6**

1. Open **Recording Mode** tab.
2. Select **Continuous Recording**.
3. Set parameters (additional settings for event recording).
4. Copy these settings to all desired cameras using Drag&Drop in the configuration bar.
5. Press **Store** button at the bottom.
6. Press **Store** in the dialog.

Step 13: Assign Cameras to Share (1)

The screenshot displays the Mobotix playback interface. At the top, the title bar reads "Playback - mx10-22-6-117". On the left sidebar, there is a search bar and a list of cameras, with "mx10-22-6-117" selected. Below the camera list are sections for "Camera Groups" (showing "All cameras") and "Clips & Recordings". The main area shows a live video feed of a multi-level shopping mall. A blue callout box with a white lock icon and the text "Open lock icon to enter edit mode." is positioned over the video. A blue arrow points from this callout to a lock icon in the bottom-left corner of the playback controls, which is also highlighted with a red square. The bottom of the interface features a navigation bar with various icons for home, back, forward, and other playback functions, along with a timestamp "13.02.19 12:30:00".

Step 13: Assign Cameras to Share (2)

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The screenshot displays the Mobotix web interface. On the left, a sidebar shows a list of cameras: 'MOVE-10.192.4.124', 'M16Thermal', and 'M16'. A search bar is at the top of the sidebar. Below the camera list is a 'Camera Groups' section with 'All cameras'. The main area shows the 'Multi-Camera Configuration' dialog. It has fields for 'User Name' (admin) and 'Password' ([MultipleValues]). Under 'Environment', there are checkboxes for 'Background Alarms', 'Remote', and 'SSL' (checked), and a 'Bandwidth' dropdown set to 'HiRes'. Below that is 'Bandwidth Settings' and 'Recording Settings' (highlighted with a red box and a blue callout '3'). The 'Recording Settings' dialog is open, showing 'Recording Path' (MxNAS_IoT, callout '4'), 'Format' (MxFFS), 'MxFFS Key' (Key), and 'Device Directory' (callout '5') with an 'OK' button (callout '6'). At the bottom of the main configuration panel is a 'Remove' button. At the bottom of the sidebar, a lock icon is highlighted with a red dashed box and a blue callout '7'. A blue callout box at the top right contains a 7-step list of instructions.

1. Select all cameras that will be using the same share.
2. Right-click the cameras to open the configuration dialog.
3. Click on **Recording Settings**.
4. Select the **Recording Path**.
5. Wait until **Device Directory** shows status **OK**.
6. Close the dialogs.
7. Click on the lock icon to close the edit mode.



BeyondHumanVision

MOBOTIX

MOBOTIX AG
Kaiserstrasse
67722 Langmeil
Germany

+49 6302 9816-0
info@mobotix.com
www.mobotix.com

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