



i-PRO NVR

with

Luxriot EVO

Setup and Usage Guide

15 Aug 2024

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1. Overview

Introduction

The integration of the i-PRO devices with Luxriot EVO makes adding an NVR as simple as adding cameras. From the Luxriot EVO server side - the NVR is just one more device, and there are at least three ways to add a device to EVO. You can add the device manually or use autodiscovery by scanning devices in the network range. This "how-to" will guide you on how to add a device manually or by scanning IP addresses in range; it will also explain how to add a native i-PRO NVR web interface to the Luxriot EVO monitor using the Luxriot *Crosslink* feature. If you want to use the *Autodiscovery* feature - please consult the Administration Guide, "*Add Devices Using Autodiscovery*" chapter.

Prerequisites

Before setting up the i-PRO NVR device, make sure you have:

1. Supported Luxriot EVO version (1.28 and newer)
2. i-PRO NVR with some cameras connected to the network accessible to the Luxriot EVO server

You also will need to know:

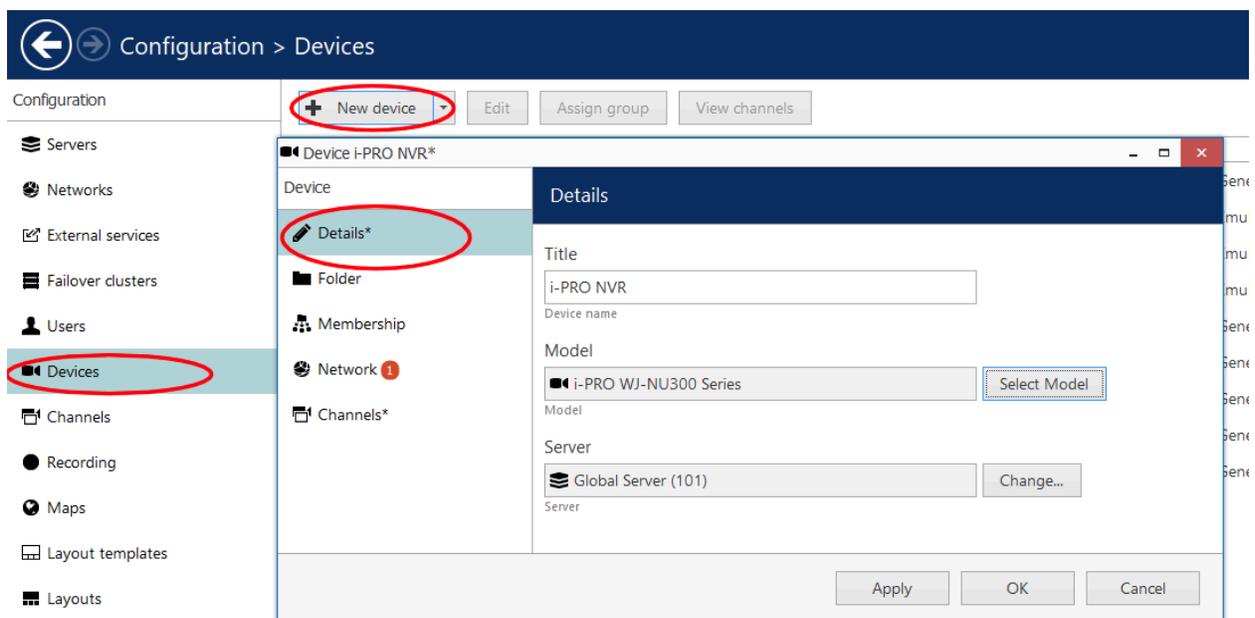
1. i-PRO NVR exact model ([See supported devices](#))
2. i-PRO NVR IP address and Port
3. Device login details (username, password)

2. Adding NVR device

Adding device manually

To add the device manually, go to:

1. *Console -> Configuration -> Devices*
2. Click the **+Add Device** button at the top of the *Devices* section. A new popup window will open.
3. Provide a meaningful device *Title*, then click the *Select Model* button to find the exact i-PRO NVR model.
4. If you have many EVO servers, you can modify the *Server* field to select the server to which you want to attach the device.



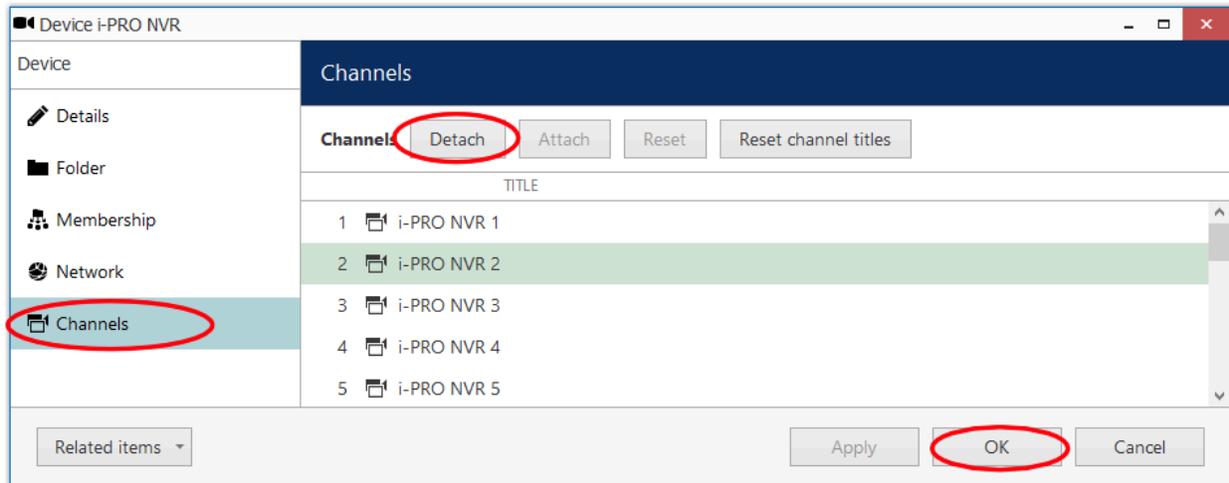
!N.B. If you can't locate the exact device model, you still have an option to try the closest similar driver from the i-PRO device line-up

The next step is to provide device network settings and authentication info.

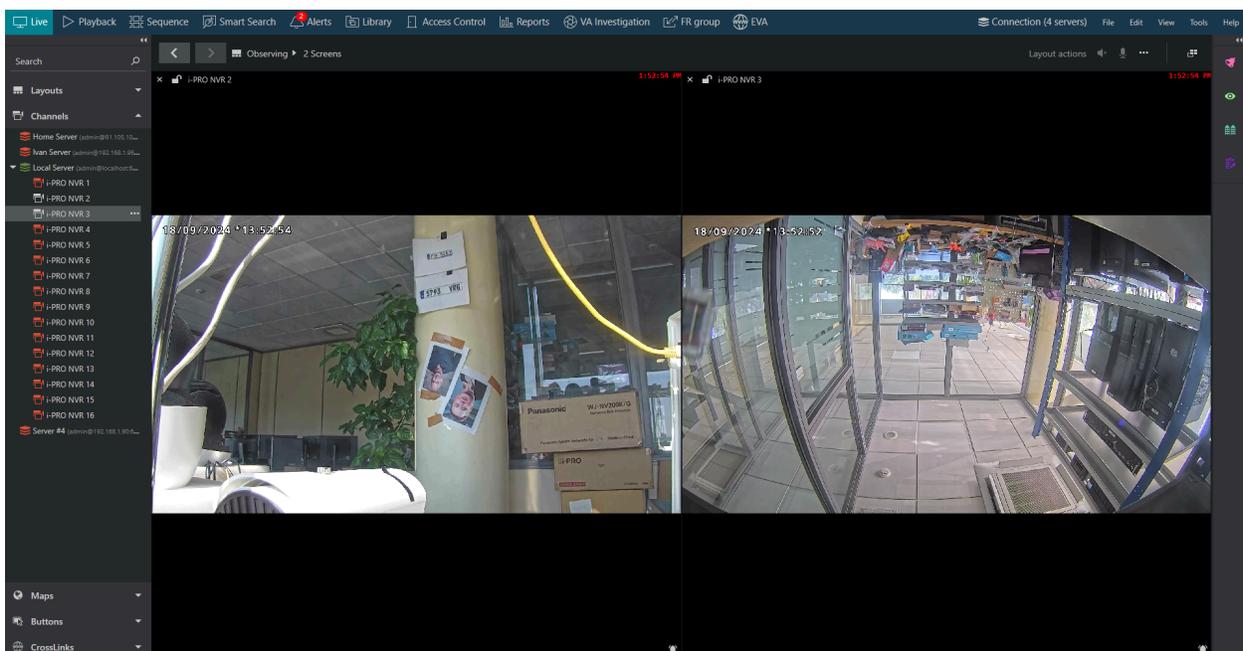
1. Click the *Network* tab.
2. Fill in The NVR's IP address in the *Host* field, and add a *Port number* if it differs from the default setting (80)
3. Add username and password to the corresponding fields.

The screenshot shows the 'Device i-PRO NVR*' configuration window with the 'Network' tab selected. The 'Host' field is set to '192.168.1.5', the 'Port' field is set to '80', and the 'Username' field is set to 'admin'. The 'Enter password' checkbox is checked, and the password field is filled with dots. The 'Secure connection' checkbox is unchecked. The 'Open device in browser' and 'Ping device' buttons are visible. The 'Apply', 'OK', and 'Cancel' buttons are at the bottom right.

If the device is connected to the network and the IP and password are correct, the list of the NVR channels will appear in the *Channels* tab. You can click the *OK* button, and the device will be added to the server with all its Channels. You can also review the Channels tab to exclude empty or unnecessary channels from the configuration before configuration confirmation.



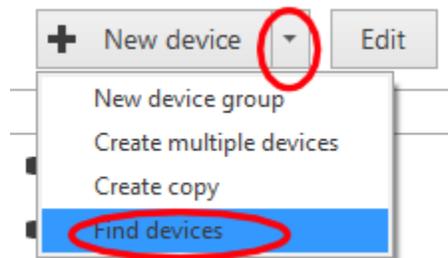
That's it! Now you can visit *Configuration -> Channels* and configure each NVR channel as any other Luxriot EVO Channel. You can also review any NVR channel inside the Luxriot EVO monitor, just like any other camera channel.



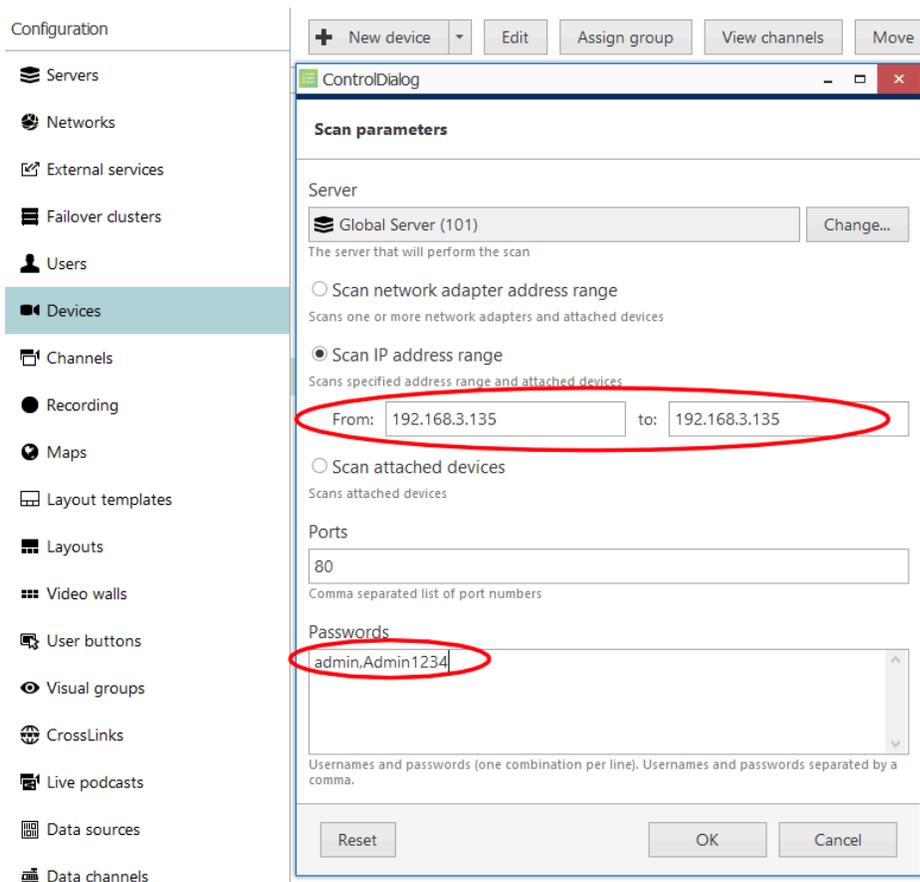
Find devices automatically

You can also add compatible devices using the Luxriot EVO find devices feature. To do so, go to:

1. *Configuration -> Devices*, find the “+ New device” button and click on the arrow to expand all available options, then click the “Find devices” option.



2. Select the *Server*, mark the *Scan IP address range*, and provide the IP range the device may belong to.



3. Configuring Recording, Motion and EDGE settings

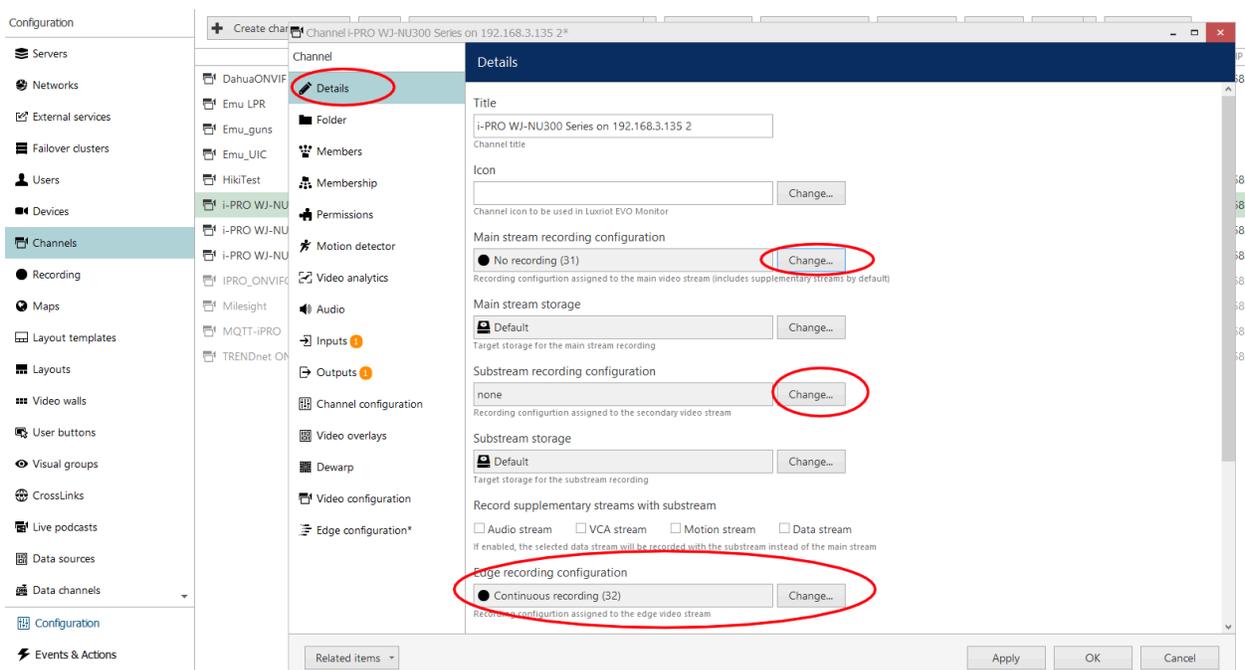
After an NVR is connected and channels for the connected cameras are added, you can process them with the deep channel configuration.

!N.B. Please pay attention to the capabilities of the NVR and the cameras you are connecting to it—the available channel configuration is not the sum of NVR plus device features but rather a difference. For example, if a particular NVR does not support PTZ, we will not be able to address it, even if the camera does have such an option!

As for the model used for this example - we can reuse camera motion detection, control PTZ, and even receive the EDGE recordings. Let's dive deeper and configure your channels.

Go to:

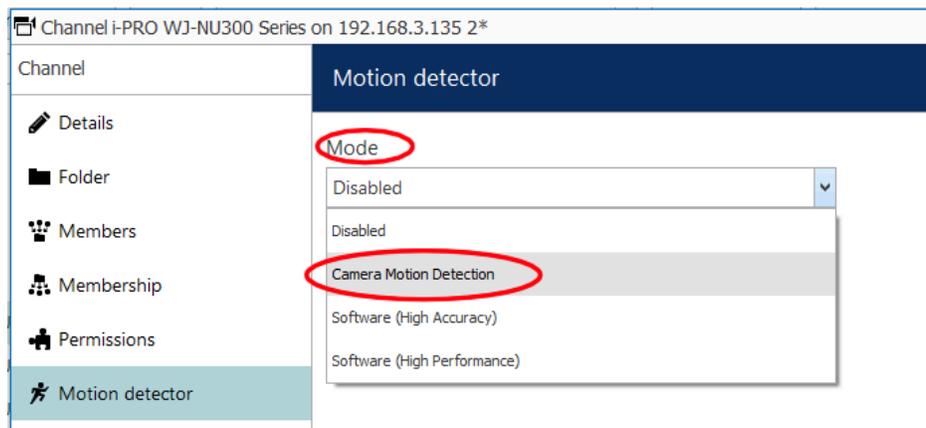
1. *Configuration* -> *Channels* -> your preferred channel. Double-click the channel name.
2. Inside the new popup window, select the *Details* tab and select the **recording profiles** for your *Main* and *Substreams*. From the default settings, you can choose "No recording," "Continuous recording," or "Recording by motion." To learn more about custom recording profiles - please consult the Luxriot EVO administration guide.



3. To get the EDGE data from the NVR for the particular channel, please use the "Continuous record" profile. All other profiles will not pull the available EDGE streams from your NVR.

First, you must enable motion detection to use the "Record by motion" profile. To do so, go to:

1. Configuration -> Channels -> your channel -> Motion detector tab.
2. Click the Mode field and select the type of motion detection you want to use. If your camera supports motion detection - you can use it, or you can use software motion detection on the Luxriot EVO side.



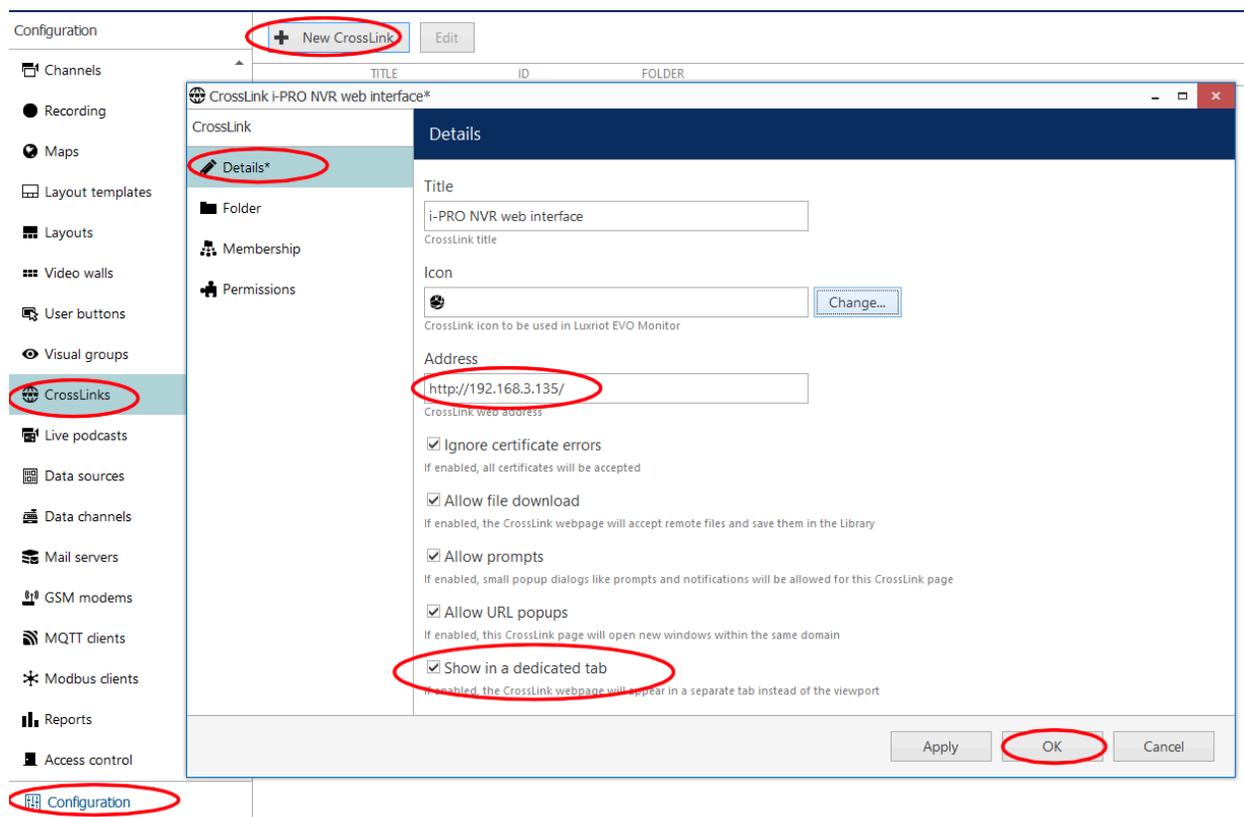
That's it! Your channels are configured and ready for review inside Luxriot EVO monitor!

4. i-PRO NVR with the Luxriot EVO Crosslink

If you have a license for *Crosslink*, you can add an i-PRO NVR web interface directly to Luxriot EVO monitor. To do so, go to:

1. Console -> Configuration -> Crosslinks
2. Click the +New Crosslink button at the top of the section
3. Inside the new popup window *Details* tab, provide a meaningful *Title*
4. Fill in the i-PRO NVR IP address inside the *Address* field

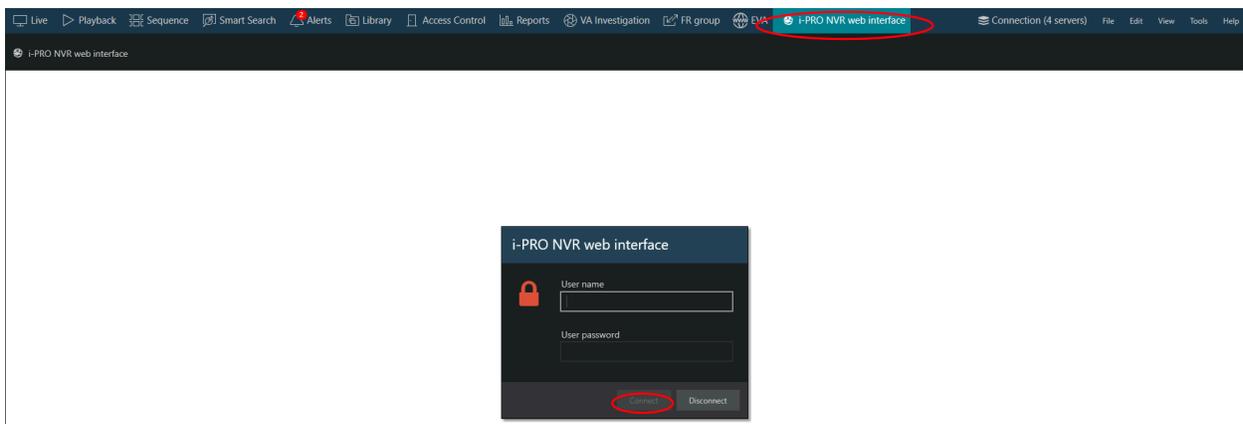
If you want to see it in Monitor, mark the corresponding checkbox inside the dedicated tab. You can also leave the checkbox unmarked and bring the NVR *Crosslink* in as any other channel directly to the monitor viewport. Confirm your configuration with the *OK* button.



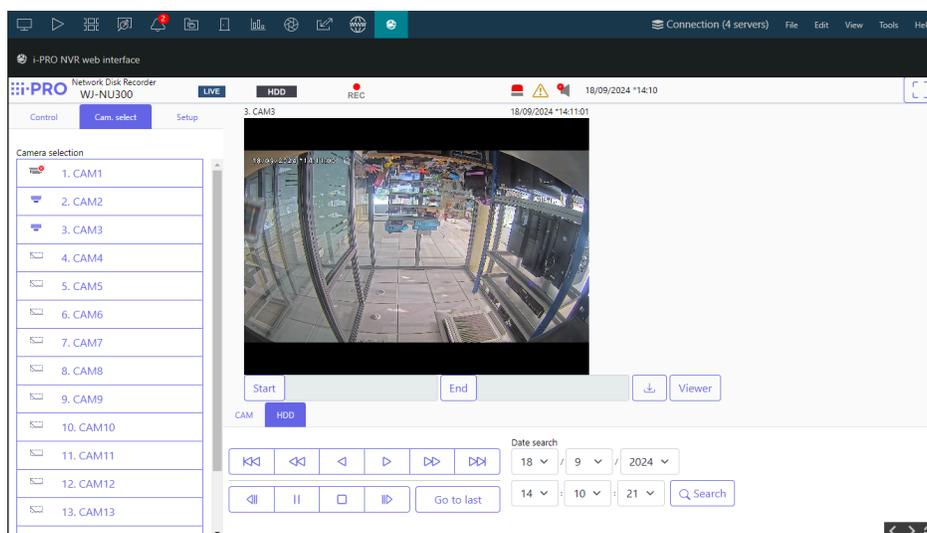
Depending on your settings, you can use the native i-PRO interface directly from the Luxriot EVO monitor dedicated tab or inside the viewport.

5. Log in to the i-PRO NVR web interface with Luxriot EVO monitor.

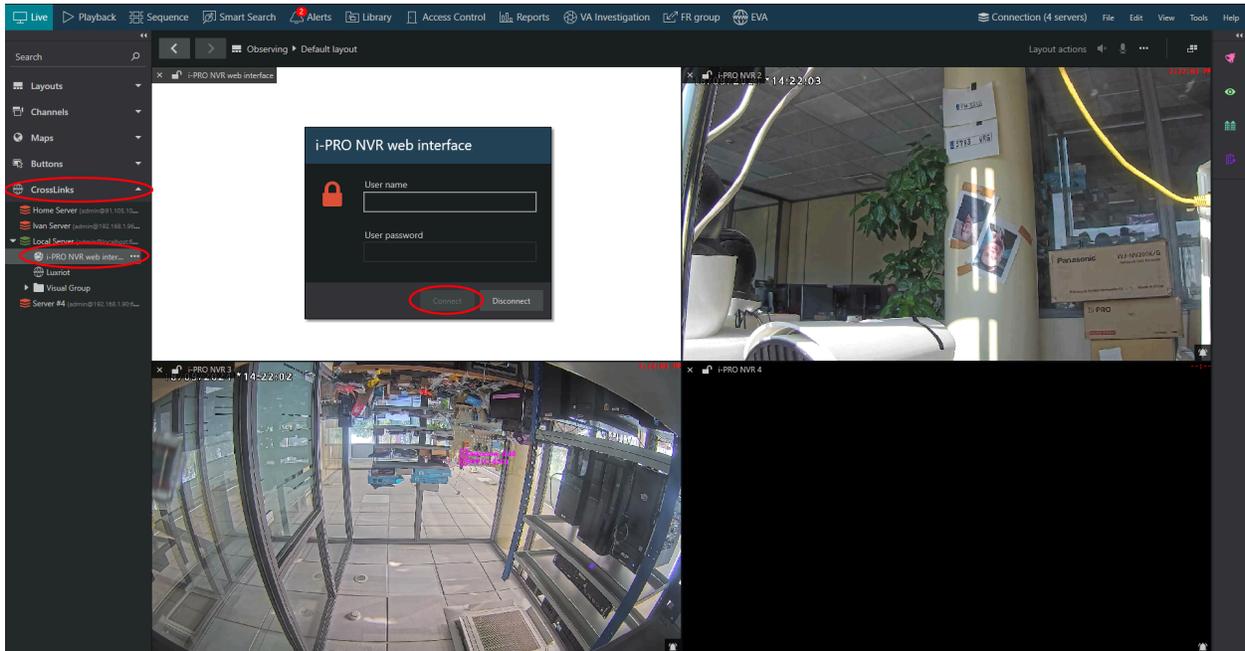
After the server side is configured, open Luxriot EVO Monitor. If you checked the *"Show in a dedicated tab"* checkbox, Locate the new Tab at the top of the monitor window, click it, provide the NVR user credentials, and confirm with the *Connect* button.



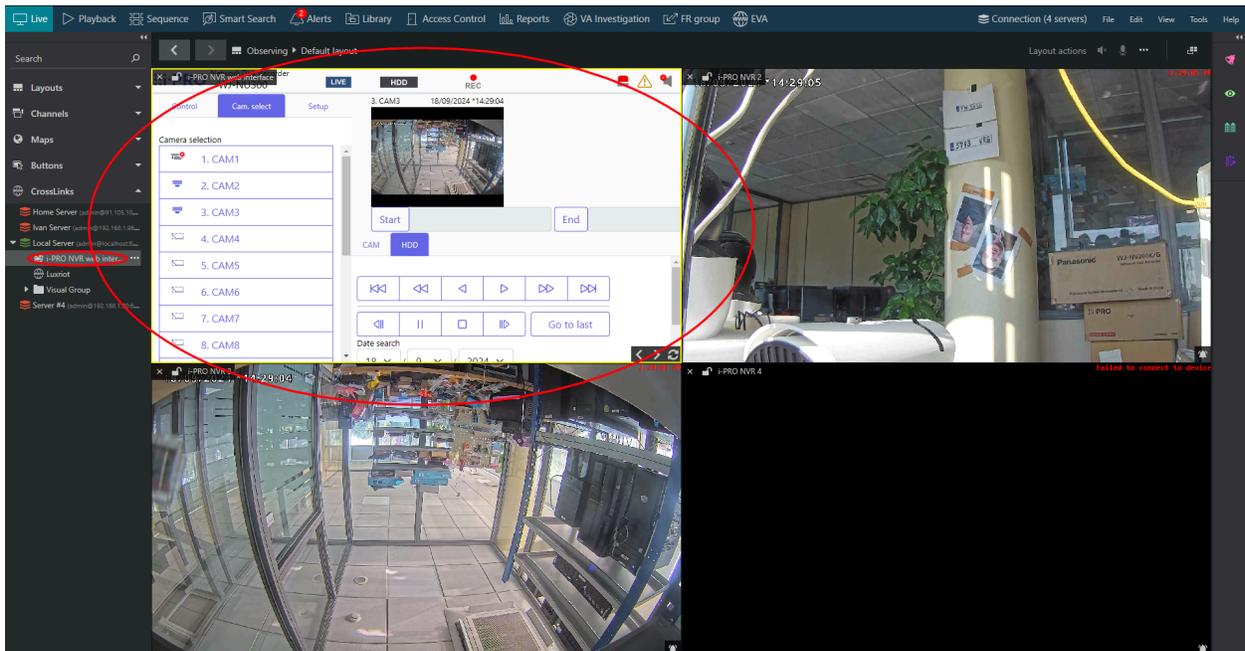
Here is how the native i-PRO NVR appears inside the dedicated tab:



If you want to use *Crosslink* inside the viewport and you did not check the corresponding checkbox inside the *Console -> Configuration -> Crosslink*, you will find the Crosslink inside the left panel under the *Crosslink* subsection. Drag and drop it into the preferred viewport and provide the device credentials.



Here is the preview of the native i-PRO NVR web interface inside a Luxriot EVO monitor viewport:



Remember —an NVR is the same as any other camera device. The best place to look if you run into any issues is to consult the corresponding administration guide section about cameras.