

HOW TO.

Configure 2N IP Intercoms for use with AXIS Camera Station Pro

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Introduction

This document highlights the specific configurations needed before adding a 2N IP Intercom to AXIS Camera Station Pro.

The document explains how to:

- Configure the 2N IP Intercom
- Configure action rules to trigger on events from the 2N Intercom device

Prerequisites

AXIS Camera Station Pro.

2N IP Intercoms with firmware 2.45.0 or newer.

Applicable also for AXIS Camera Station 5, version 5.36 or newer.

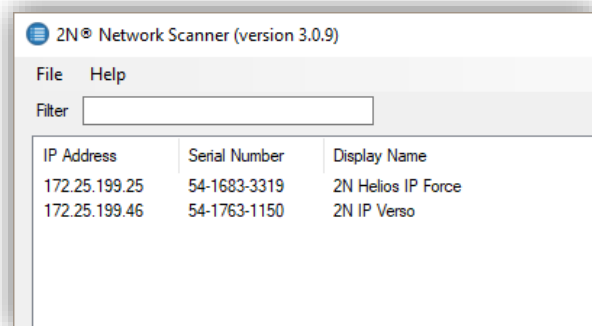
The auto-discovery in AXIS Camera Station Pro changed in version 6.3 and requires firmware 2.45 or later to work. Device can always be added manually.

Auto-discovery Compatibility table

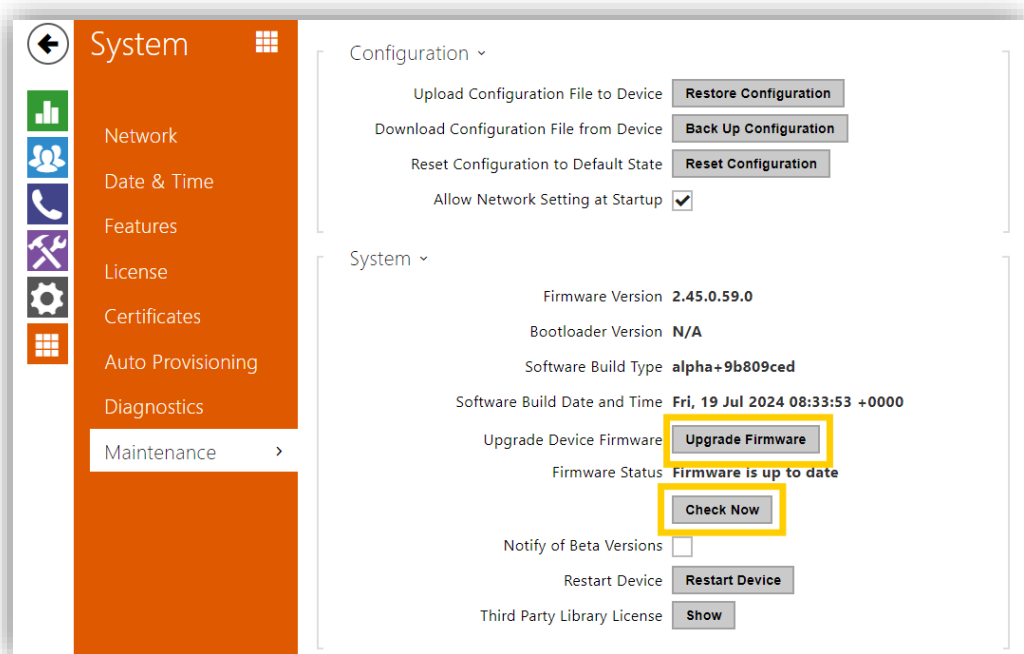
ACS version	2N OS device version	Auto-discovery
5.56 and older	Any version	OK
5.57 and newer	2.44.0 and older	Add device only manually
5.57 and newer	2.45.0 and newer	OK
ACS Pro 6.2 and older	Any version	OK
ACS Pro 6.3 and newer	2.44.0 and older	Add device only manually
ACS Pro 6.3 and newer	2.45.0 and newer	OK

Configure 2N IP Intercom

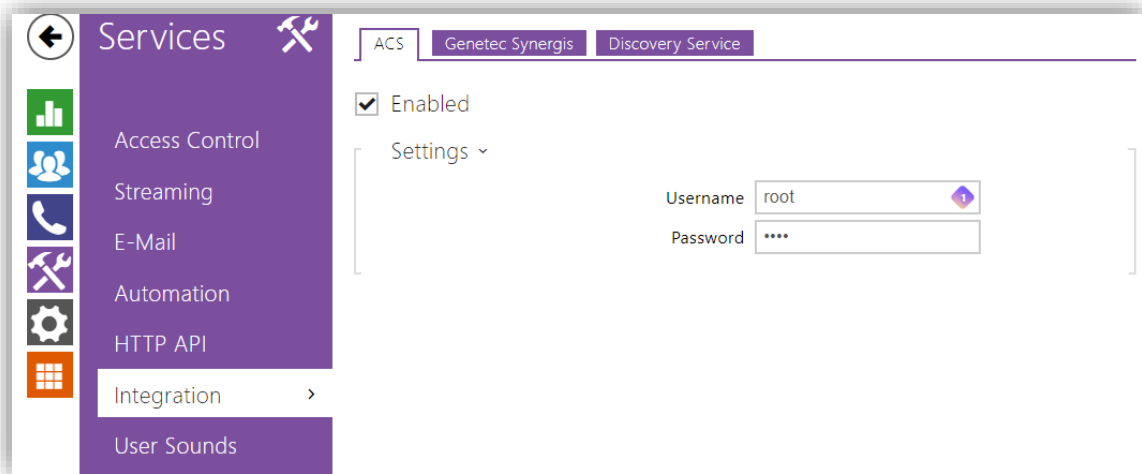
Before the 2N IP Intercom can be added to AXIS Camera Station Pro, it needs to be properly configured. Download and install the [2N Network Scanner](#) to discover your 2N IP Intercoms in the network.



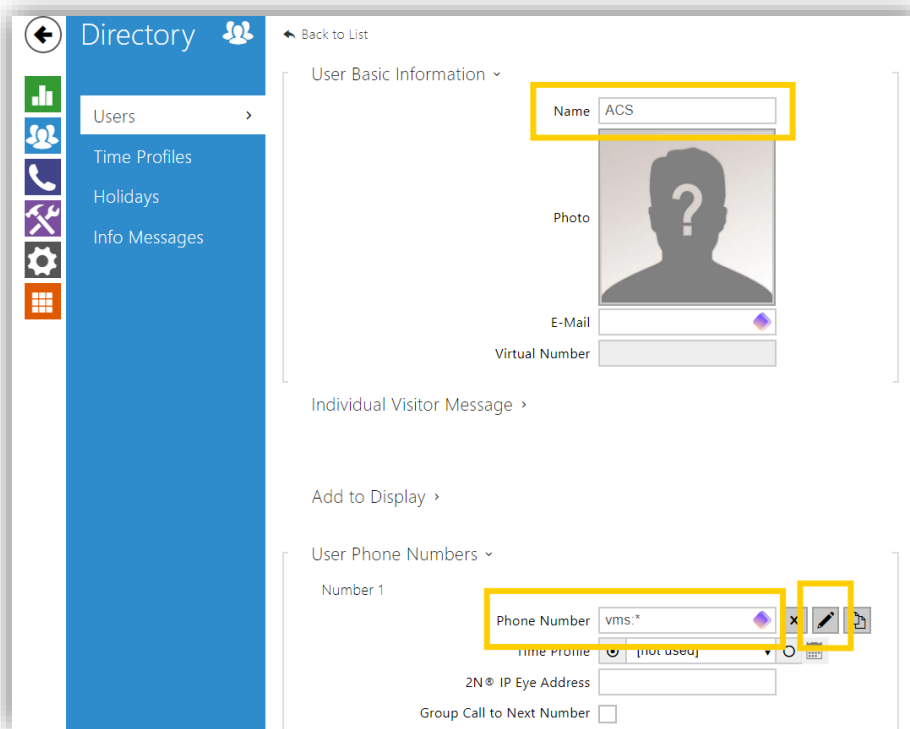
Go to System > Maintenance and you can update the firmware by clicking Upgrade Firmware and Check Now / Upgrade Now buttons.



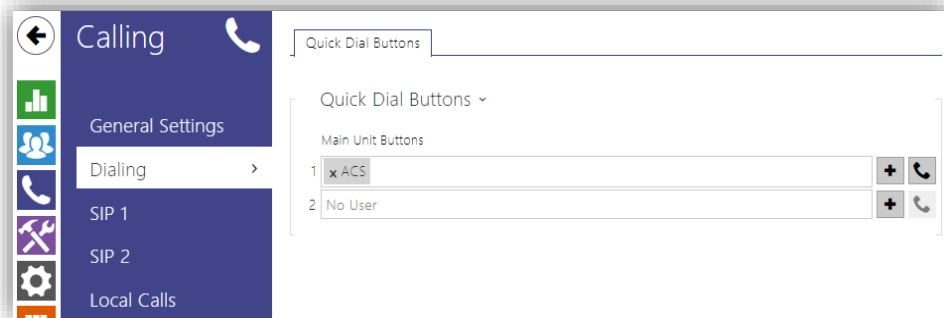
Under Services > Integration > ACS, select Enable and enter Username and Password. These credentials are later used when adding the device to AXIS Camera Station Pro.



To trigger calls to AXIS Camera Station Pro, it also requires that the Main Unit button or Keypad has a user assigned to it. Go to Directory > Users. Enter a name that you prefer and enter **VMS:*** in the Phone Number field (alternatively, you can use the interactive configuration dialog by clicking the Pencil icon and selecting vms: prefix from the available list).



Go to Calling > Dialing > Quick Dial Buttons and add the user you have created above to the Main Unit Buttons. If your device uses display instead of buttons, the user you created in the directory will be automatically added to the phonebook on the display.



Now the device is ready to be added to AXIS Camera Station Pro.

AXIS Camera Station Pro

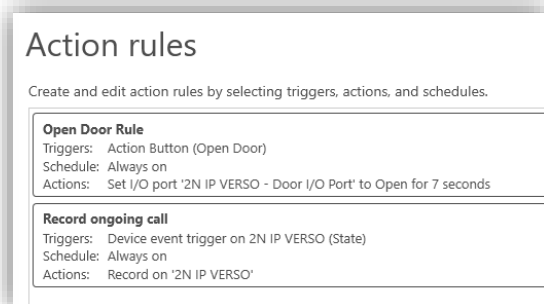
When configured as per the instructions above, add the 2N intercom following the standard add device workflow in AXIS Camera Station Pro.

For details on how to [add](#), [configure incoming call sound](#), [manage user privileges for audio](#) and set up other intercom related operations see the AXIS Camera Station Pro online [user manual](#). You can use action rules to [send mobile app notifications](#) and the mobile app user manual explains how to [set it up](#).

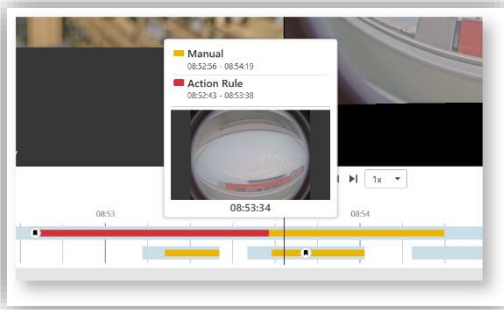
Automatically created action rules

When adding a 2N Intercom to AXIS Camera Station Pro two action rules are created. One for the Action button that can open the door, but also one action to record an ongoing call.

By default, the action is to activate the IO port in the 2N IP Intercom. This can be changed to, for example, grant access on an AXIS Door Controller.



The recording will be displayed as an event in the recording timeline.

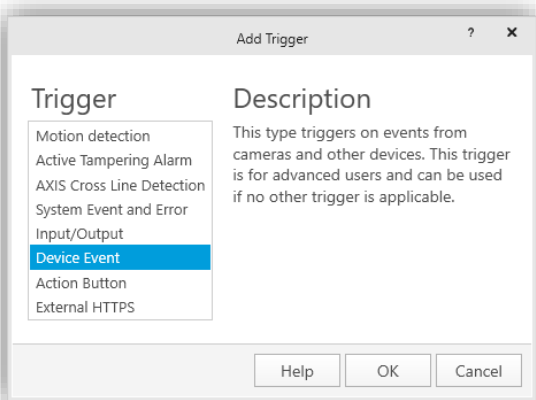


NOTE The number of seconds for Door IO port to be open needs to be configured in 2N IP Intercom. Changing the value from within AXIS Camera Station will have no

Create Action Rules

Action rules in AXIS Camera Station Pro are applicable also for 2N intercoms. Device events can be set up on the 2N Intercom and used as triggers in any action rules configured in AXIS Camera Station Pro and any appropriate action can be chosen. Examples on how to configure action rules for more 2N specific scenarios is provided below. For more details on different 2N Intercom alarms and events refer to the 2N documentation.

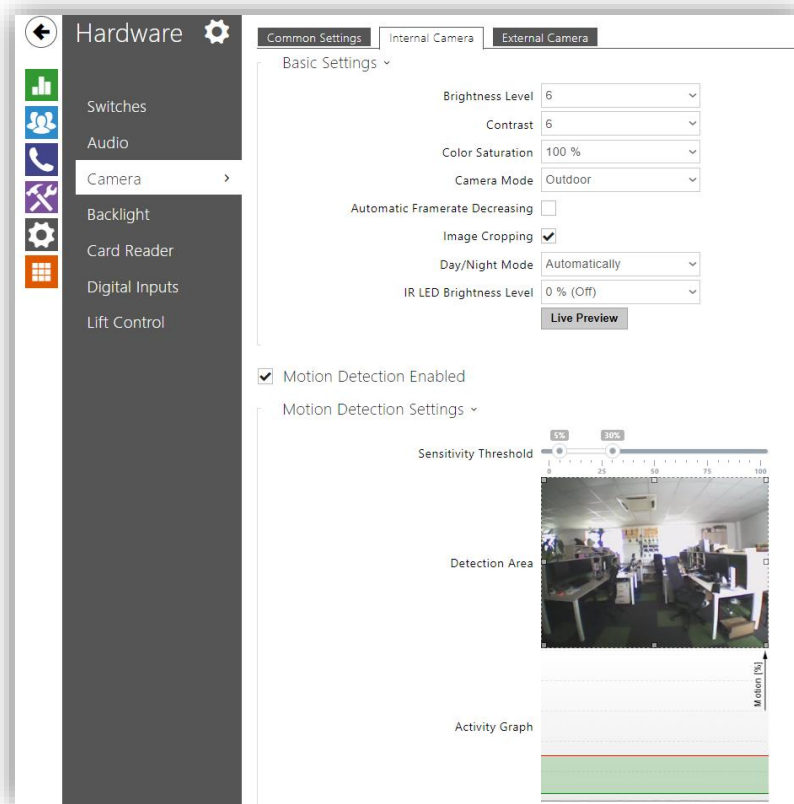
In AXIS Camera Station Pro, go to Configuration > Recordings and Event > Action rules. To trigger on 2N devices create action rules with Device Event as Trigger.



Motion Detection Recording

Configuration in 2N Intercom

Go to Hardware > Camera > Internal Camera and select Motion Detection Enabled. Set sensitivity thresholds and detection area. You can test the motion detection function by observing the Activity Graph that shows when the motion detection event triggered.

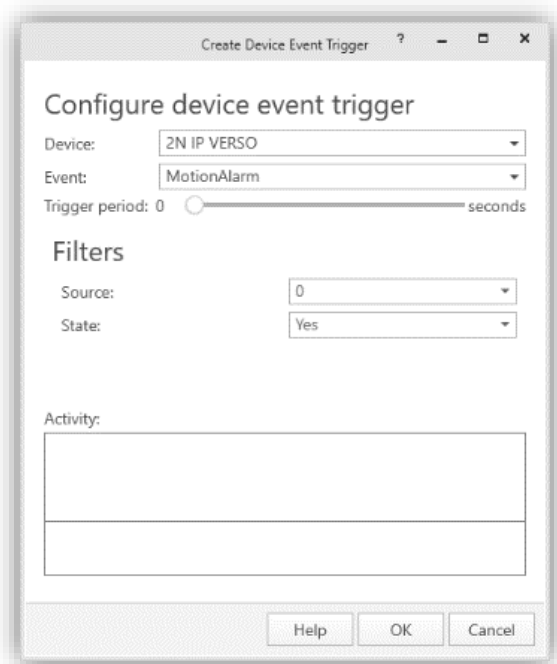


NOTE Motion Detection requires 2N Intercom License: Enhanced Video or Gold licenses.

Configuration in AXIS Camera Station Pro

When creating the action rule, in the Create Device Event Trigger dialogue, select the 2N Intercom device and the event VideoSource > MotionAlarm.

This event is tied to the MotionDetected event in the 2N device.

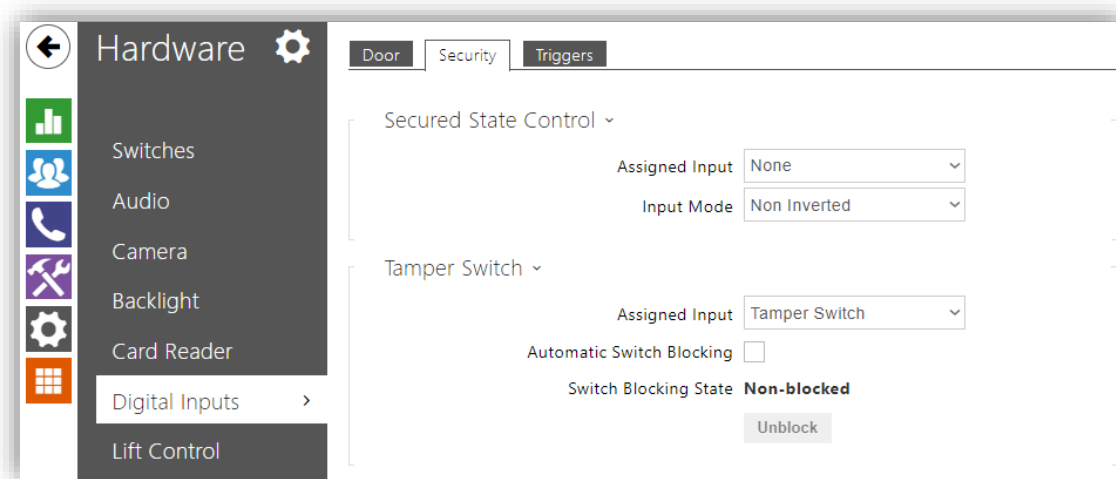


Select OK and then Next to add an action to record (or other preferred action). You can add more than one action.

Tampering

Configuration in 2N Intercom

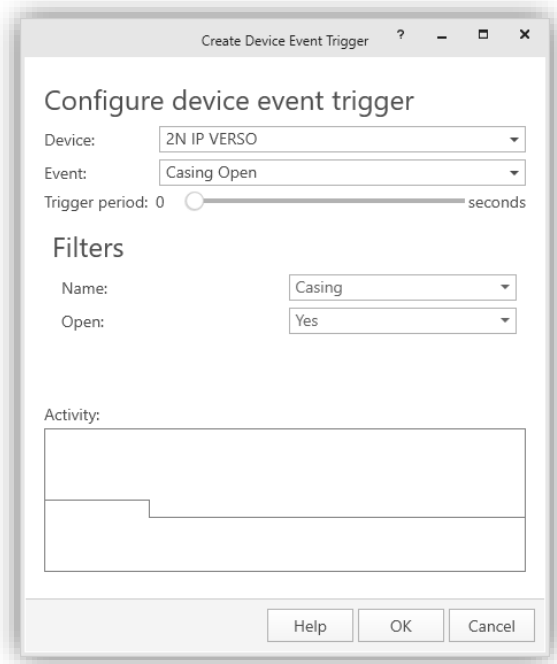
Go to Hardware > Digital Inputs and set Assigned Input to an available tamper input.



Configuration in AXIS Camera Station Pro

When creating the action rule, in the Create Device Event Trigger dialogue, select the 2N Intercom device and the event Casing > CasingOpen.

This event is tied to TamperSwitchActivated event in the 2N device.



Select OK and then Next to add your action of interest. You can add more than one action.

General

Configuration in 2N Intercom

You can use any events from 2N Automation as triggers in AXIS Camera Station Pro. Go to Services > Automation and edit any available function by selecting the pencil icon.

Select the desired Event block from the Events section in the left-hand side menu. Scroll down in the left-hand side bar and in the section Actions, select SetOnvifVirtualInput block. Configure the Action block with appropriate Port number and switching Level when the block is triggered:

- hi for setting the input to logical 1
- lo for setting the input to logical 0

Connect the Event and Action blocks. Add and configure additional blocks as needed.

Save the function and exit the Automation configuration. See *the examples below*.

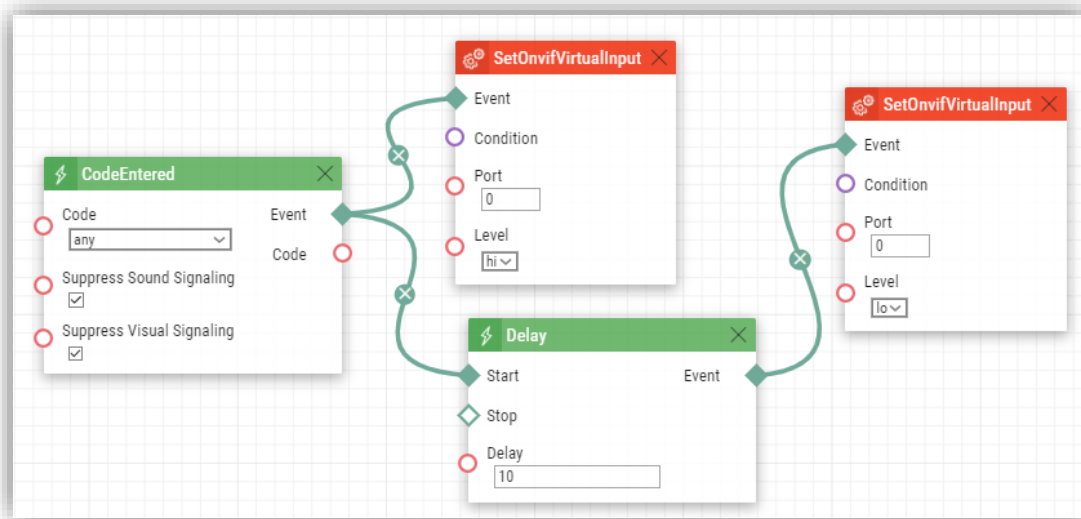
NOTE

Automation requires 2N Intercom License:
Enhanced Integration or Gold Licenses.

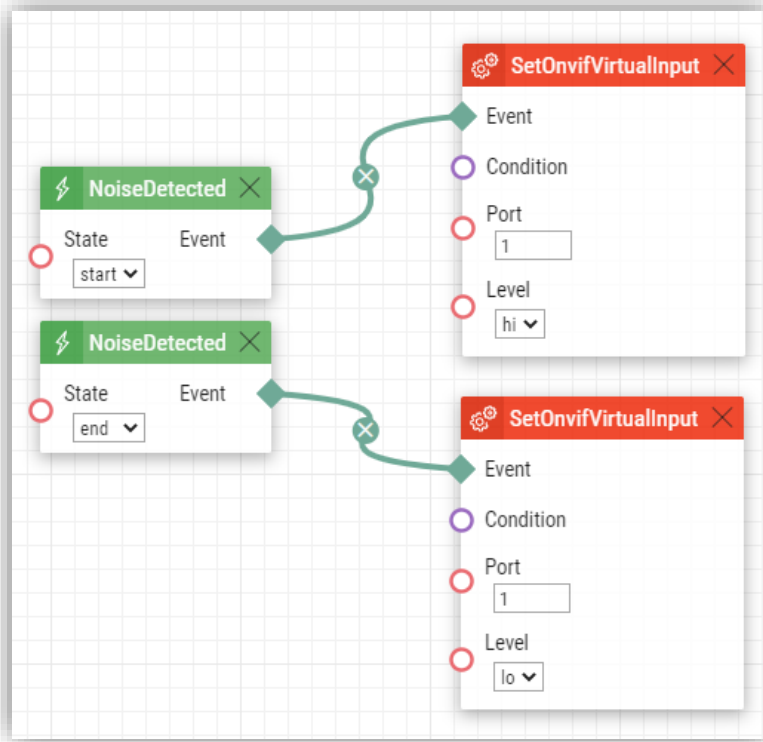
2N and AXIS Camera Station Pro use different Virtual inputs indexing. 0
in 2N is 1 in AXIS Camera Station Pro.

Examples:

This is a simple configuration for 10 s activation of virtual input 0 (1 in AXIS Camera Station Pro) when a code is entered.



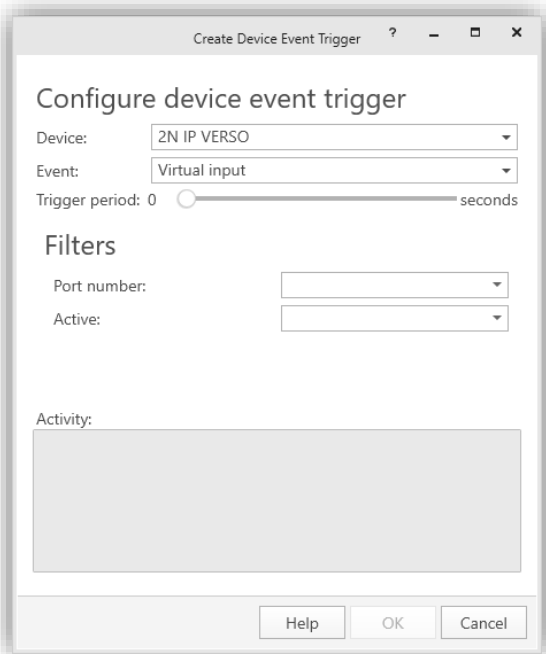
Whereas below there is a simple configuration for activation of virtual input 1 (2 in AXIS Camera Station Pro) when noise is detected. Virtual input 1 deactivates when the noise is no longer detected.



Configuration in AXIS Camera Station Pro

In the Create Device Event Trigger dialogue, select the 2N Intercom device and the event Input ports > Virtual input.

This event is tied to VirtualInput event in 2N devices.



Adjust Port number to a port that is used for your desired function (port numbers are indexed from 1 in AXIS Camera Station Pro and from 0 in 2N devices). Adjust Active to Yes or No according to the desired trigger activation.

Select OK and then Next to add your action of interest. You can add more than one action.

Considerations and limitations

When using a 2N Intercom with AXIS Camera Station Pro known limitations must be considered:

- Configuration and management of 2N device from AXIS Camera Station Pro is limited. When the intercom is added to AXIS Camera Station Pro, open the device web tab interface for easy access and changing configuration.
- AXIS Camera Station Pro does not support Session Interface Protocol (SIP).
- AXIS Camera Station Pro Web client and AXIS Camera Station Cloud Web client do not support intercom calls.
- 2N IP intercom is not supported by AXIS Camera Station Secure Entry. Requires 2N Access control.

For more information on 2N IP intercoms and firmware updates, visit www.2n.cz