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.

ACS version	2N OS device version	Auto-discovery
.56 and older	Any version	OK
.57 and newer	2.44.0 and older	Add device only
		manually
.57 and newer	2.45.0 and newer	OK
CS Pro 6.2 and	Any version	OK
lder	_	
CS Pro 6.3 and	2.44.0 and older	Add device only
ewer		manually
CS Pro 6.3 and	2.45.0 and newer	OK
ewer		

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 <u>2N Network Scanner</u> to discover your 2N IP Intercoms in the network.

ilter		
IP Address	Serial Number	Display Name
172.25.199.25 172.25.199.46	54-1683-3319 54-1763-1150	2N Helios IP Force 2N IP Verso

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

¢	System 🔳	Configuration ~
		Upload Configuration File to Device Restore Configuration
	Network	Download Configuration File from Device Back Up Configuration
æ	Date & Time	Reset Configuration to Default State Reset Configuration
L.		Allow Network Setting at Startup
K,H	Features	
	License	System ~
	Certificates	Firmware Version 2.45.0.59.0
		Bootloader Version N/A
	Auto Provisioning	Software Build Type alpha+9b809ced
	Diagnostics	Software Build Date and Time Fri, 19 Jul 2024 08:33:53 +0000
	Maintenance >	Upgrade Device Firmware Upgrade Firmware
		Firmware Status Firmware is up to date
		Check Now
		Notify of Beta Versions
		Restart Device Restart Device
		Third Party Library License Show

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.

¢	Services 🛠	ACS Genetec Synergis Discovery Service
		✓ Enabled
	Access Control	Settings ~
	Streaming	Username root 🕥
	E-Mail	Password ·····
	Automation	
	HTTP API	
	Integration >	
	User Sounds	

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).

€ D	Directory	<u>10</u>	◆ Back to List
			User Basic Information ~
	Users	>	Name ACS
	Time Profiles		
No. 10	Holidays		
	Info Messages		
			E-Mail
			Virtual Number
			Individual Visitor Message >
			Add to Display >
			Number 1
			Phone Number Vms:* 🔷 🗙 🖊 🔁
			2N® IP Eye Address

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.

¢	Calling 🌜	Quick Dial Buttons	
. ll	General Settings	Quick Dial Buttons ~	
	Dialing >	1 × ACS + C	•
	SIP 1	2 No User	
X	SIP 2		
H	Local Calls		

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, <u>configure incoming call sound</u>, <u>manage user privileges for audio</u> and set up other intercom related operations see the AXIS Camera Station Pro online <u>user manual</u>. You can use action rules to <u>send mobile app notifications</u> and the mobile app user manual explains how to <u>set it up</u>.

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.

ction rules					
eate and edit action rules by selecting triggers, actions, and schedules.					
Open Doc	or Rule				
Triggers:	Action Button (Open Door)				
Schedule:	Always on				
Actions:	Set I/O port '2N IP VERSO - Door I/O Port' to Open for 7 seconds				
Record ongoing call					
Triggers:	Device event trigger on 2N IP VERSO (State)				
Schedule:	Always on				
A	Record on '2N IP VERSO'				

 • Manual

 • OS258-005419

 • Action Rule

 • OS2583

 • OB533

 • OB533

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.

Trigger E Motion detection Active Tampering Alarm AXIS Cross Line Detection	Description his type triggers on events from ameras and other devices. This trigger for advanced users and can be used
Input/Output	no other trigger is applicable.
Device Event	
Action Button	
External HTTPS	

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.

¢	Hardware	Common Settings Internal Camera External Settings -	rnal Camera
	Switchor	Brightness Lev	el 6 ~
<u>.</u>	Switches	Contra	st 6 ~
	Audio	Color Saturatio	n 100 % ~
	Camera	> Camera Moo	le Outdoor ~
X	Backlight	Automatic Framerate Decreasir	g
Ö		Image Croppir	g 🖌
	Card Reader	Day/Night Mod	e Automatically ~
	Digital Inputs	IR LED Brightness Lev	el 0 % (Off) ~
- 1	Lift Control		Live Preview
		Sensitivity Thresho Detection An	
		Activity Graj	h reterio [19]

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.*

Device:	2N IP VERSO		
Event:	MotionAlarm		•
Trigger perio	d: 0 🔿		second
Filters			
Sources		0	 -
Source:		Vee	
State;		162	•
ð eti út e			
Activity:			

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.

¢	Hardware	\$	Door Security Triggers	
.h	Switches		Secured State Control ~ Assigned Input	None ~
	Audio		Input Mode	Non Inverted ~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Camera		Tamper Switch ~	
	Backlight		Assigned Input	Tamper Switch ~
H	Card Reader		Automatic Switch Blocking	
	Digital Inputs	>	Switch Blocking State	Non-blocked
	Lift Control			Unblock

#### 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.

Configu	ire device e	vent trigg	er		
Device:	2N IP VERSO	55			-
Event:	Casing Open				•
Trigger perio	d: 0 🔾			se	conds
Filters					
Name:		Casing			-
Open:		Yes			*
Activity:	-				
Activity:					

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.

NOTEAutomation requires 2N Intercom License:<br/>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.

		$^{\odot}$ SetOnvifVirtualInput $ imes$	
		Event	🌮 SetOnvifVirtualInput 🗡
		O Condition	Event
CodeEntered	×	O Port	O Condition
Code any Suppress Sound Signaling	Event Code O		Port 0 Level
O Suppress Visual Signaling		🖇 Delay	X
		Start E	vent
		🔷 Stop	
		O Delay	

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.

	Create Device Event Trigger	?	-		×
Configure	e device event trigg	ger			
Device:	2N IP VERSO				•
Event:	Virtual input				•
Trigger period:	0			seco	nds
Filters					
Port number:					*
Active:					•
Activity:					
	Halp	OK		Cano	al
	neib	UN		Caric	ei

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 <u>www.2n.cz</u>