

# innovi Axis I/O module - Integration Guide

Version: 05-Apr-2021

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## 1. Overview

This guide covers the installation, configuration, and operation of the innovi Digital I/O integration. The integration supports [AXIS P8221 Network I/O Audio Module](#).

The Axis module contains configurable input ports. Changes in Digital Input state (i.e., opening or closing the circuits) can activate or de-activate analytics rules in innovi. A typical use case is using an external alarm system that is activated at the end of a business day, that should then activate the analytics rules in innovi

The **innovi Digital IO Gateway** service runs on the innovi Edge device, communicates with the Axis module, responds to signals from the module input ports to affect analytics rules.

## 2. Integration setup in innovi

The Axis module can be added to any innovi Edge device in your innovi account. Once added, it can be set up **to control any rule on any folder or camera in your account**.

In the following example, we use an Axis P8221 module with 4 Input ports ( A 1, 2, 3, 4). Port #1 is set to Active:

**AXIS P8221 I/O Audio Module** Live View | Setup | Help

**I/O Ports** ?

| I/O Port Type* | Name     | Normal state is... | Current Status |
|----------------|----------|--------------------|----------------|
| A 1 Input      | Input 1  | Grounded circuit   | Active         |
| 2 Input        | Input 2  | Open circuit       | Inactive       |
| 3 Input        | Input 3  | Open circuit       | Inactive       |
| 4 Input        | Input 4  | Open circuit       | Inactive       |
| B 1 Output     | Output 1 | Open circuit       | Inactive       |
| 2 Output       | Output 2 | Open circuit       | Inactive       |
| 3 Output       | Output 3 | Open circuit       | Inactive       |
| 4 Output       | Output 4 | Open circuit       | Inactive       |

\*If the port is used in an event, it is not possible to switch between input and output until the event is changed or removed.

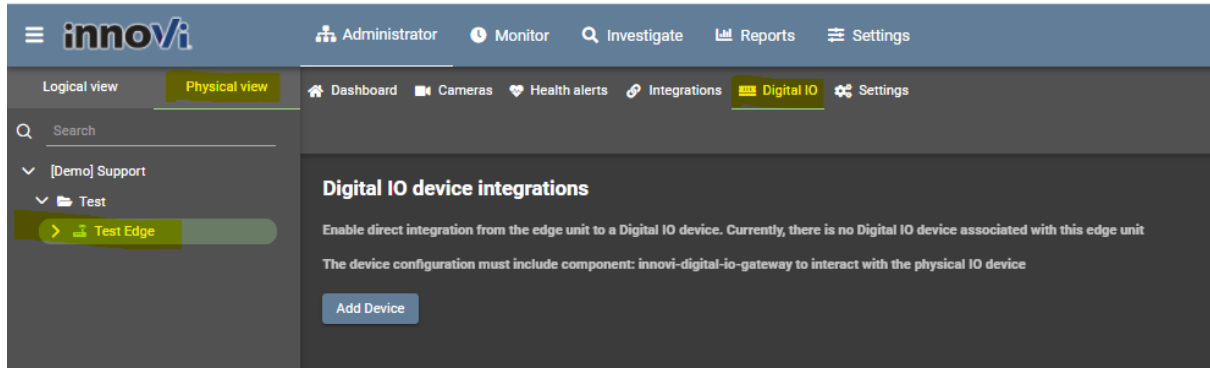
Save Reset

Log in to your innovi account.

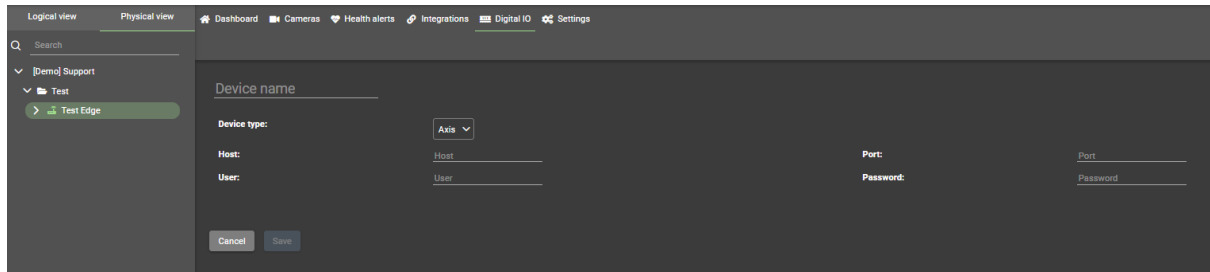
Select **Physical View**

Select the relevant **Edge Device**

Select **Digital IO**



Select **Add Device**:

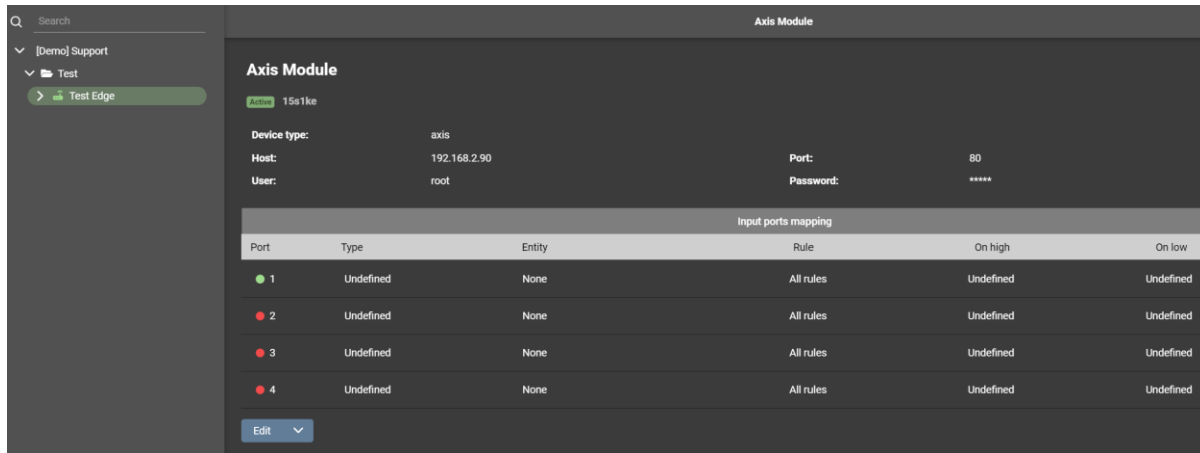


Populate the following credentials to the Axis module:

- **Device Name**
- **Host**
- **Port** (default is 80)
- **User**
- **Password**

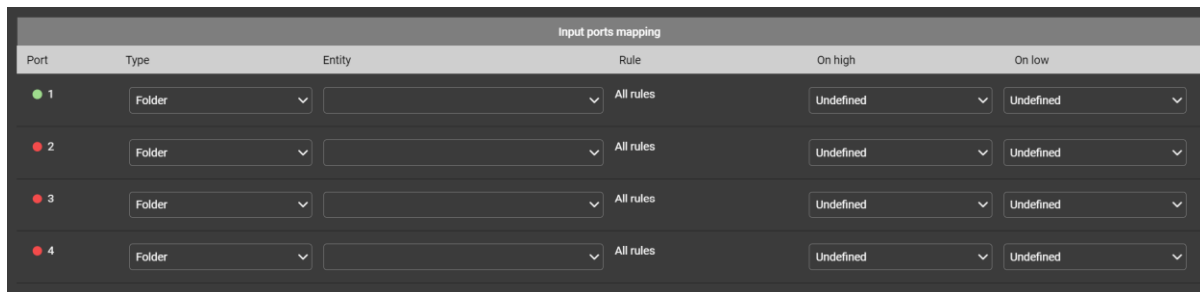
Select **Save**

The innovi Edge device disconnects for a few seconds and reconnects. The following window appears:



Select **Edit**

The **Input ports mapping** section is now editable:



The **Port** column displays all the Input ports available and their status:

- Green color: Port is active
- Red color: Port is Inactive

Select the relevant values for each port line as follows:

| Field Name     | Possible Values  | Meaning   |
|----------------|--|---|
| <b>Type</b>    | Folder<br>Camera   | Defines the folder/camera from which the analytics rules are to be picked.<br>Known issue: Switch to Camera and then to Folder to enable the relevant values for the Folder type in the next column ( <b>Entity</b> ) |
| <b>Entity</b>  | As available   | Folder name or Camera name as applicable following the <b>Type</b> selection  |
| <b>Rule</b>    | For Type = Folder: All Rules<br>For Type = Camera: all rules for the selected cameras are displayed.<br>Select either All Rules or a specific rule | The rule/s which will be activated/deactivated upon port state change   |
| <b>On High</b> | Undefined (no action taken)<br>Activate<br>Deactivate  | When port is <b>active (green)</b> defines what action will be applied to the selected rule/s   |
| <b>On Low</b>  | Undefined (no action taken)<br>Activate<br>Deactivate  | When port is <b>inactive (red)</b> : defines what action will be applied to the selected rule/s   |

Select **Save**

**Note: if a Schedule and/or Calendar definition exists for any of the selected rules, the defined action for overrides the Schedule and/or Calendar definition.**

### 3. Contact Agent Vi Support

- Use the “Submit a Support Request” option from within innoVi
- Use the innoVi support form on Agent Vi’s website:  
<https://support.agentvi.com/support/innovi-request/>
- Email [innovi-support@agentvi.com](mailto:innovi-support@agentvi.com)