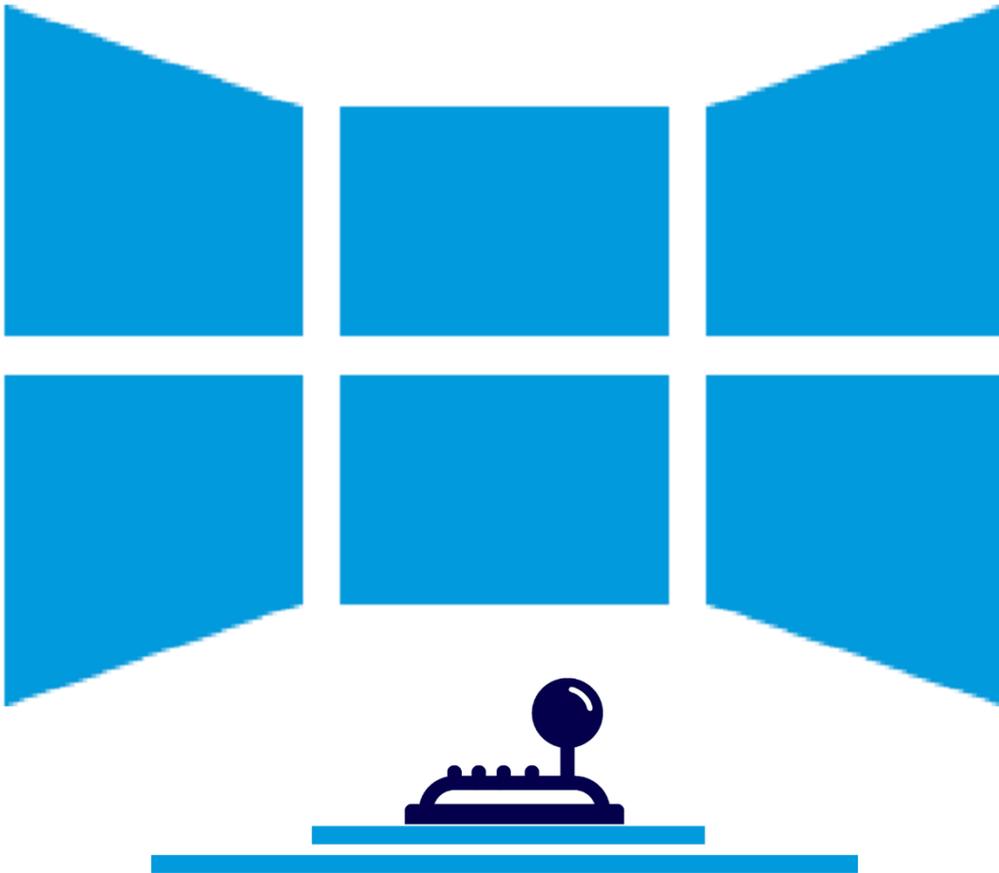




# IN VAPAD Plus



## User Guide



# Contents

<b>InovaPad Introduction</b> .....	3
<b>Installation and Deployment</b> .....	4
Prerequisites.....	4
Installation Procedure.....	5
Install the Management Client plug-in .....	5
Install the Smart Client plug-in.....	7
<b>Management Client Configuration</b> .....	8
Camera Shortcuts.....	8
Joystick Configuration.....	9
<b>Milestone XProtect Smart Client</b> .....	10
Settings Configuration.....	10
Button Triggers.....	11
<b>Appendix A – Implemented Actions</b> .....	12
Table 1 - Application.....	12
Table 2 - Cameras.....	12
Table 3 - Playback .....	12
Table 4 - PTZ.....	12
Table 5 - Views.....	13
Table 6 - Windows.....	13
<b>Appendix B – Button Reference</b> .....	14
Keypad Buttons.....	15
Jogwheel.....	15
Function Buttons.....	17



## InovaPad Introduction

**This documentation refers to the Mobotix Joystick InovaPad integration.**

InovaPad is a plugin designed to integrate joystick control into the Milestone XProtect Smart Client, offering users efficient camera management and enhancing the overall surveillance experience. Specifically made for the MOBOTIX keyboard, InovaPad enables users to control the Milestone XProtect Smart Client without the need for additional input devices.

InovaPad simplifies the process of camera selection by allowing users to effortlessly navigate through and control cameras with the configured shortcuts. This intuitive control mechanism enhances the operator's ability to focus on specific cameras quickly and effectively.

InovaPad eases the management of windows and indices within a View, providing operators with a joystick-driven approach to swap between windows and navigate through various indices. This feature enhances operational convenience and responsiveness in monitoring multiple feeds simultaneously.

In addition, InovaPad takes advantage of the MOBOTIX keyboard, with the provided jogwheel, to quickly go through recordings. This jogwheel integration lets the user efficiently investigate through camera recordings.



# Installation and Deployment

## Prerequisites

The InovaPad plug-in must be installed in the machines running Milestone XProtect Management Client and Milestone XProtect Smart Client.

- ⚠ **The InovaPad plug-in requires a valid Milestone XProtect Software License Code.**
- ⚠ **The InovaPad plug-in requires a compatible joystick to work.**
- ⚠ **Please note that the product will not work until a Product license is activated. This operation is carried out by the Novanetworks team.**
- ⚠ **The plug-in must be installed in each machine using the corresponding joystick.**

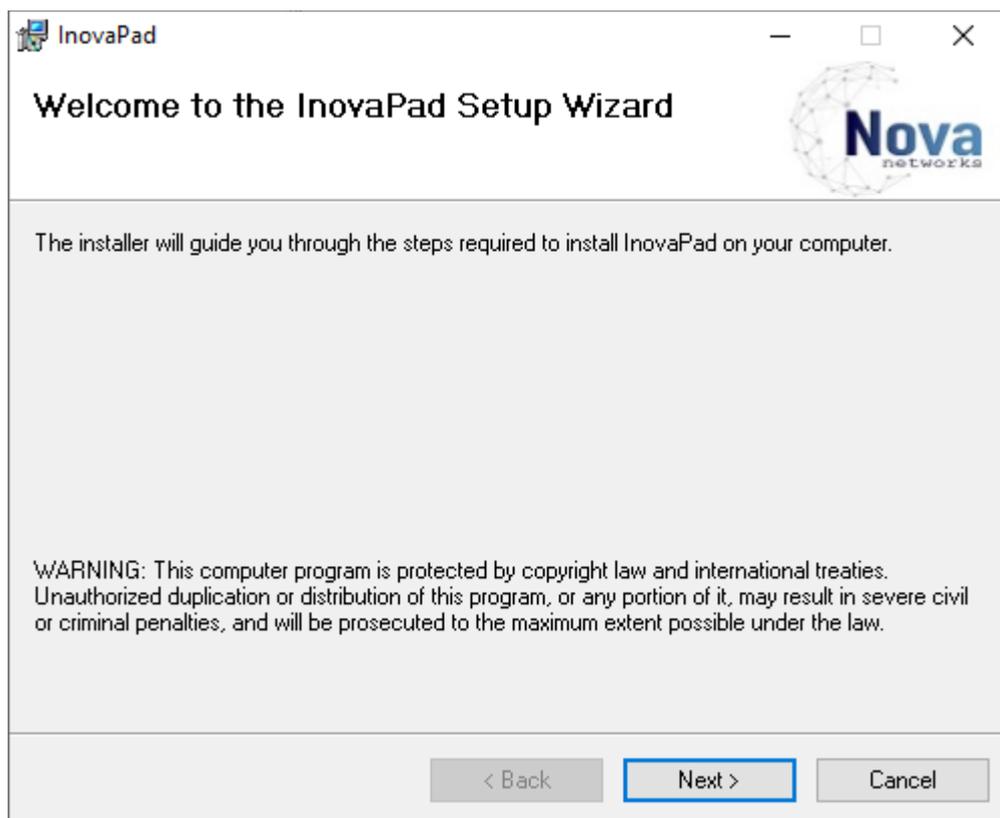
## Installation Procedure

### Install the Management Client plug-in

The wizard will guide through the installation steps from the default folder till the installation completion of the plug-in.

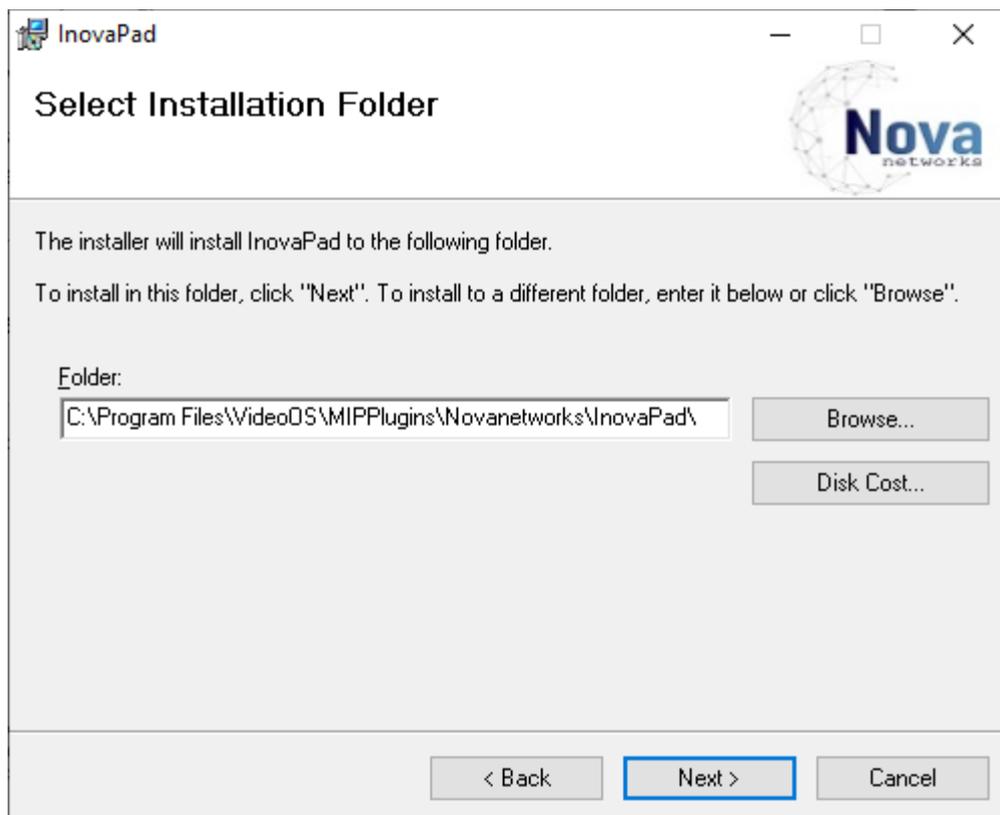
The following describes how to install the plug-in:

1. Double-click the executable program file of *InovaPad-Client-plugin* to enter the welcome page of the Setup Wizard.



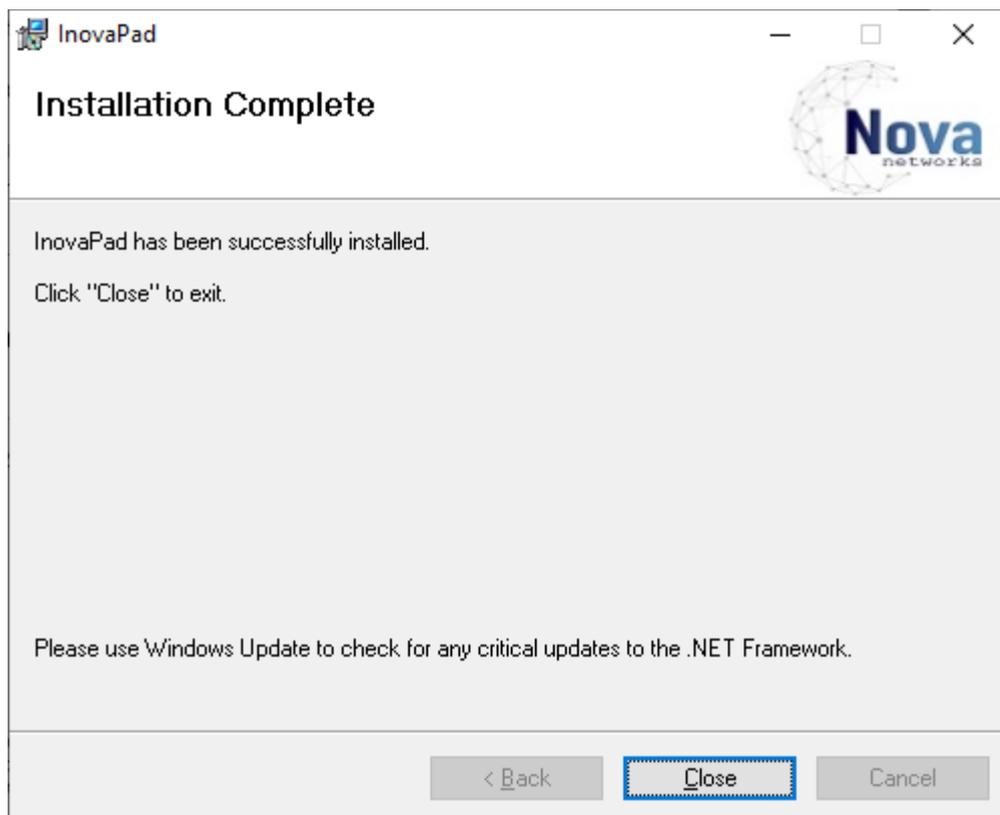
2. Click **Next** to start the setup wizard.

3. The plug-in must be installed in the corresponding MIPPlugins folder. The default path is “C:\Program Files\VideoOS\MIPPlugins”. Click **Browse** to select a proper directory as the installation location



4. Optional: Click **Back** to review or change any of the installation settings.

5. Click **Next** to start the installation. After starting installation, a progress bar will appear to show the installation status. Click **Cancel** to interrupt the installation process if needed.



6. Click **Close** to complete the installation after the progress is ended.

## Install the Smart Client plug-in

Perform the same steps 1 to 6 as for the Plug-in Management Client installation, if this was not done on any of the Smart Client machines.

# Management Client Configuration

## Camera Shortcuts

In order to take full advantage of the plug-in functionalities, it is important to configure shortcuts for each camera. Camera shortcuts are configured by accessing each camera properties and accessing the Client tab. In the Client tab assign a number to the respective camera.



Figure 1 - Camera shortcut configuration

## Joystick Configuration

Login to Milestone XProtect Management Client and navigate to the *MIPPlugins* -> *Novanetworks* node. To enable the plug-in, select the InovaPad object and click the element to “Add new”, while giving it a name, for reference only. In this interface select the joystick or keyboard model available at your site, in this case MOBOTIX. Once the joystick/keyboard selected, save the changes. No further configurations are required in the Management Client.

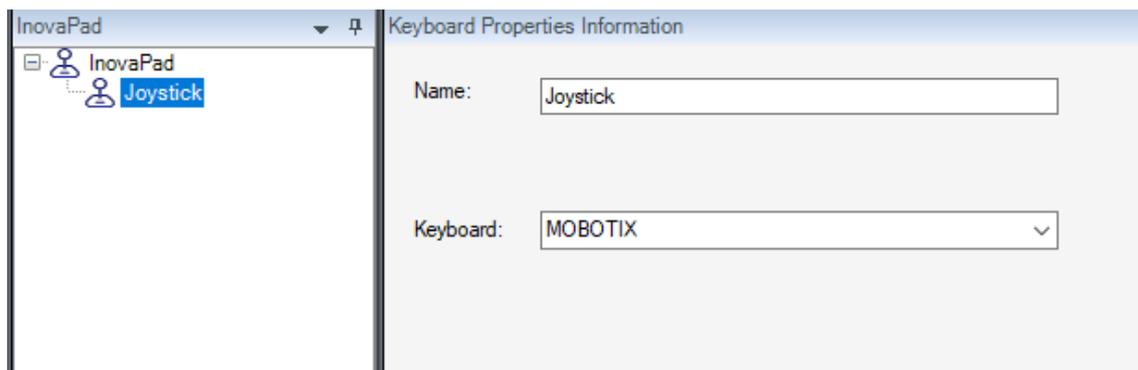


Figure 2 - Joystick configuration

# Milestone XProtect Smart Client

## Settings Configuration

In the Smart Client, access the *Settings* menu and go to the InovaPad branch to access the joystick configurations. In this menu, a user can specify which actions each button launches. Please refer to **Appendix A – Implemented Actions** for a guide to each *Action* functionality. The settings always come with a default configuration already setup for the user.

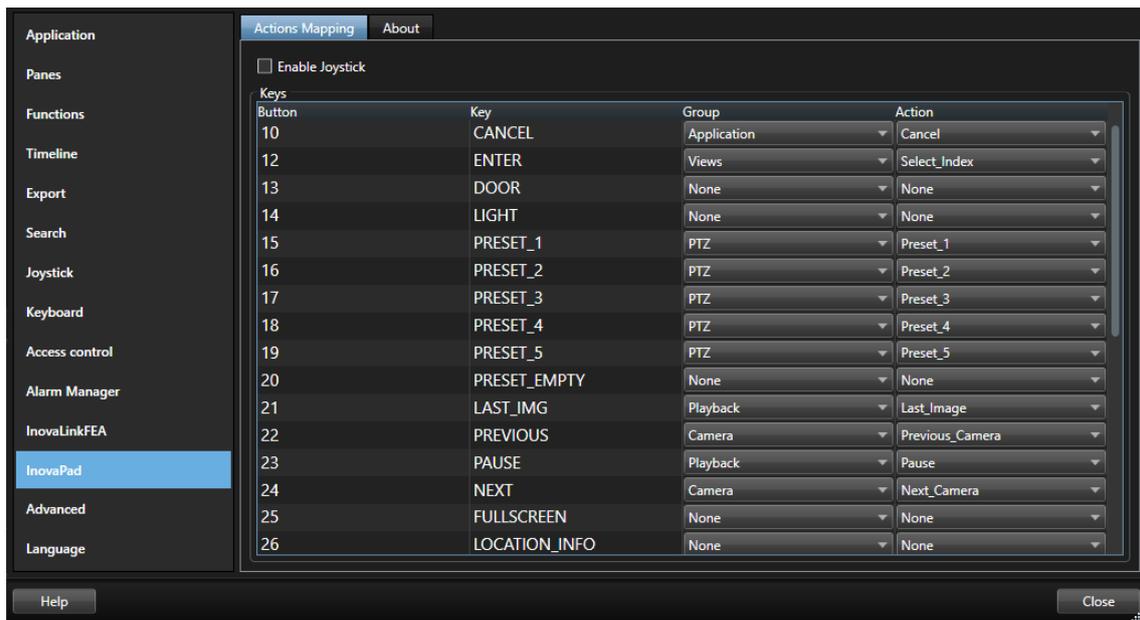


Figure 3 - Settings Panel

The Smart Client user must first enable the joystick in the settings panel to have it recognized by the system. Once enabled, the user does not need to access the settings again to enable it, only to make modifications to the buttons.

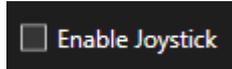


Figure 4 - Enable Joystick checkbox

## Button Triggers

Please refer to **Appendix B – Button Reference** for information about the button layout or the default actions associated to each button.

The general operation for the button actions is as such:

- ❖ Select Camera: First press the *keypad* buttons to fill the corresponding camera shortcut value and then press the associated button to trigger the action.
- ❖ Select Window: First press the *keypad* buttons to fill the corresponding window value. Each window has a value, starting from 1 which corresponds to the Main window value.
- ❖ Select Index: First press the *keypad* buttons to fill the corresponding index value in a View. Each index has a value, starting at 1.
- ❖ Every other action: The user only needs to press the button to launch the action. Some actions are restricted to Playback mode.

Any mistakes while pressing the value combination in the *keypad* can be cleared by pressing the Cancel action button.

## Appendix A – Implemented Actions

Table 1 - Application

Application Functions		
Code	Function	Description
Cancel	Cancel	Clears any previously pressed buttons

Table 2 - Cameras

Cameras Functions		
Code	Function	Description
Select_Camera	Select Camera	Show a camera using its client shortcut
Next_Camera	Next Camera	Show next camera following client shortcut order
Previous_Camera	Previous Camera	Show previous camera following client shortcut order

Table 3 - Playback

Playback Functions		
Code	Function	Description
First_Image	First Image	Bring playback to the most recent recorded sequence
Last_Image	Last Image	Bring playback to the oldest recorded sequence
Previous_Sequence	Previous Sequence	Bring playback video to the previous sequence
Next_Sequence	Next Sequence	Bring playback video to the next sequence
Pause	Toggle Pause	Pause playback video

Table 4 - PTZ

PTZ Functions		
Code	Function	Description
Preset_1	Preset 1	Trigger preset 1 for the selected camera
Preset_2	Preset 2	Trigger preset 2 for the selected camera
Preset_3	Preset 3	Trigger preset 3 for the selected camera
Preset_4	Preset 4	Trigger preset 4 for the selected camera
Preset_5	Preset 5	Trigger preset 5 for the selected camera

Table 5 - Views

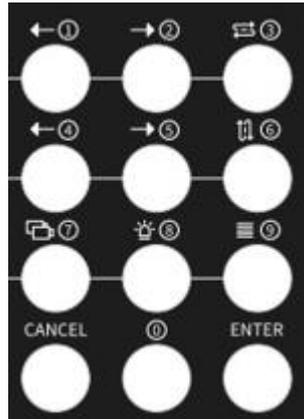
<b>View Functions</b>		
<b>Code</b>	<b>Function</b>	<b>Description</b>
Toggle_Playback	Toggle Playback	Toggle between Live and Playback Views
Select_Index	Select Index	Select a camera inside the selected Window (values start at 1)

Table 6 - Windows

<b>Window Functions</b>		
<b>Code</b>	<b>Function</b>	<b>Description</b>
Select_Window	Select Window	Select a Window (values start at 1)



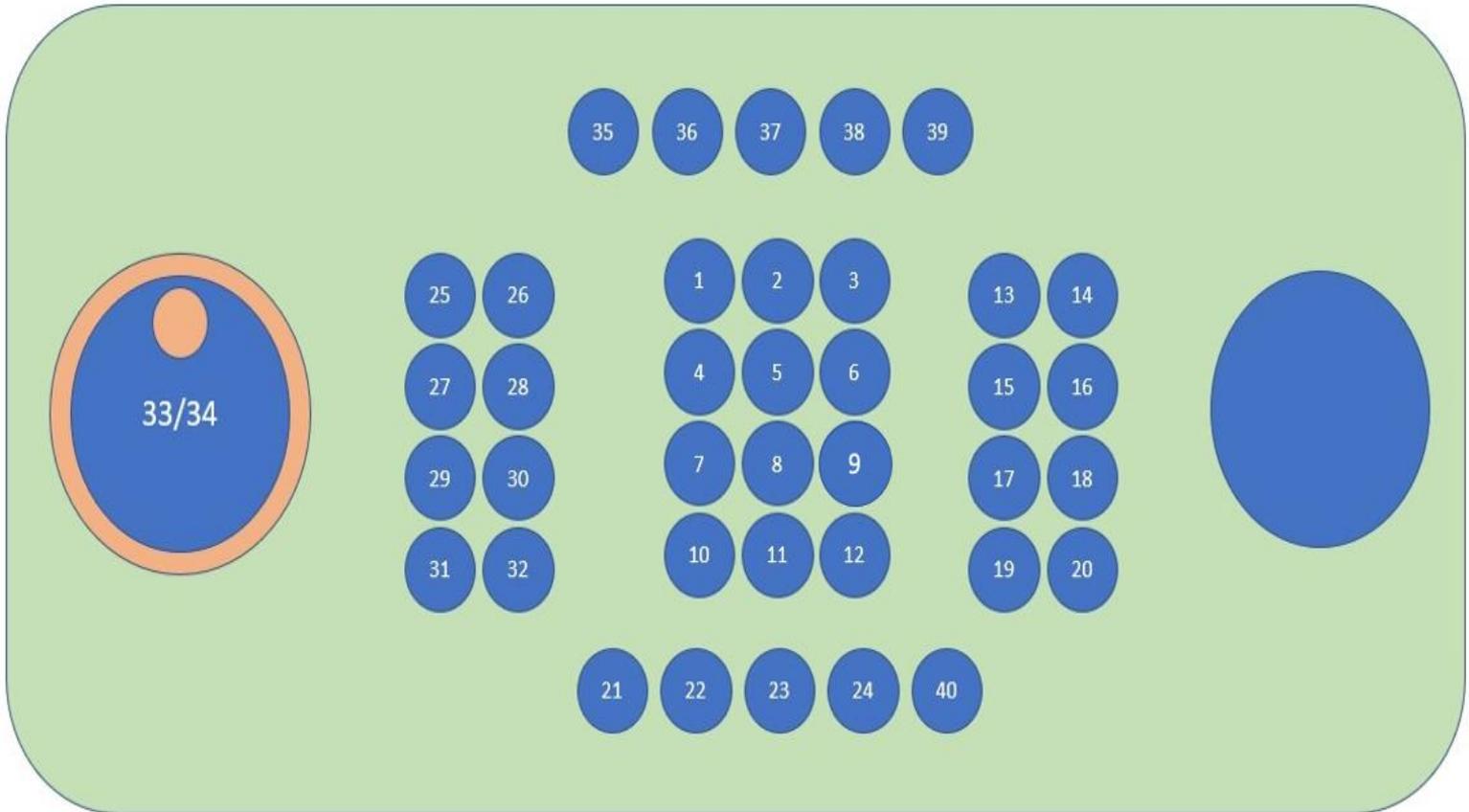
## Keypad Buttons



Excluding the Cancel/Enter buttons, these buttons constitute the “keypad” buttons. Each has their associated number value and no other related functionality, contrary to the manufacturer definitions.

## Jogwheel

The jogwheel is the dial on the left of the keyboard and corresponds to the buttons 33 and 34 of the keyboard. These buttons were assigned to the actions *Next Image* and *Previous Image*, because of the ease of use related to these functions.



*\*Keyboard representation from MOBOTIX*

## Function Buttons

<b>Button</b>	<b>Default Configuration</b>	<b>Input</b>
10	Cancel	-
12	Select Index	1 to number of squares in View
13	-	-
14	-	-
15	Preset 1	-
16	Preset 2	-
17	Preset 3	-
18	Preset 4	-
19	Preset 5	-
20	-	-
21	First Image	-
22	Previous Camera	-
23	Toggle Play/Pause	-

24	Next Camera	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	Select Window	1 to number of open windows
32	Select Camera	Camera shortcut
35	-	-
36	Toggle Live/Playback	-
37	-	-
38	-	-
39	-	-
40	Last Image	-



## Congratulations!

You have successfully installed our InovaPad plug-in. We wish you a pleasant experience.

By subscribing to our COVER contract, you have **priority support** and benefit from regular **updates** and the latest features of your application.

Contact your sales representative to find out more!

contact@novanetworks.tech      [www.novanetworks.tech](http://www.novanetworks.tech)

Copyright © Novanetworks 2024

v1.1.0