



# MOBOTIX NurseAssist Smart Sensor

powered by Kepler Vision Technologies

## Integration Guide

- MOBOTIX 4IOA-Box
- MOBOTIX HUB
- Nurse call systems



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## MOBOTIX c71 NurseAssist

The **MOBOTIX c71 NurseAssist Smart Sensor** is an intelligent assistance system that has been specially developed for use in the healthcare sector. It helps nursing staff to monitor and care for patients more efficiently.

With the help of the MOBOTIX c71 NurseAssist Smart Sensor, **falls and unauthorized actions** such as leaving the patient's bed can be **detected in real time**. This allows nursing staff to react immediately to potentially dangerous situations and thus minimize the risk to patients.

The MOBOTIX c71 NurseAssist analyzes the patient's movements and automatically triggers alarms if necessary. This not only contributes to **patient safety**, but also **relieves the burden on nursing staff**, as they do not have to be physically present at all times to ensure patient safety.



K E P L E R  
VISION TECHNOLOGIES



# Overview of the MOBOTIX NurseAssist solution: All hardware and software modules



## MOBOTIX c71 Kepler NurseAssist Smart Sensor

Superior case detection solution



### MOBOTIX c71 Kepler NurseAssist Smart Sensor

incl. Kepler NurseAssist App (Standard) & Extended Demo (90 days)

## MOBOTIX c71 Kepler NurseAssist Smart Sensor - Extended License

Additional Prevention alarms



### Kepler NurseAssist Extended Plug-in software license

## MOBOTIX HUB VMS (from L2) with Nurse Assist Dashboard Plug-In

Cost-effective and versatile Nurse Call & Reporting System



### MOBOTIX Nurse Call & Reporting Software for c71 Kepler NurseAssist Smart Sensors

**Status panel** for the smart sensors of all rooms incl. patient information, blur slider, user logbook, intercom, patient information; **Activity report** with time, duration and frequency of events

## Integration into external Nurse Call /Alarm Management System

Alternative to MOBOTIX HUB & Dashboard



Easy installation and integration of the c71 Smart Sensor into standard systems (e.g. IQ Messenger, Skyresponse) and individual platform solutions thanks to IP technology (MQTT/API).

NurseAssist Integration Guide #1

**MOBOTIX HUB &  
NurseAssist Dashboard Plug-In**

The functionality of the **MOBOTIX c71 NurseAssist** Smart Sensor can be seamlessly integrated into the **MOBOTIX HUB platform**. MOBOTIX HUB is a powerful video management system (VMS) that combines all relevant information and operating elements in a central interface.

By connecting the c71 NurseAssist with MOBOTIX HUB, nursing staff receive a **comprehensive overview of all patient data**, alarm messages and camera images in real time. This enables even more efficient patient monitoring, as fall and movement alarms are displayed and documented directly in the VMS.

Nursing staff can view all important information in a **visual dashboard** and thus react more quickly to emergencies or special situations. Centralized control via MOBOTIX HUB facilitates the monitoring of multiple patients and improves coordination within the team, **optimizing** both **patient safety** and **workflows**.





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MOBOTIX c71 NurseAssist Smart Sensor

MOBOTIX HUB L2 or higher

MOBOTIX HUB NurseAssist Plugin

The MOBOTIX c71 NurseAssist Smart Sensor distinguishes between different events in order to optimally display the patient's condition. The Nurse Assist events are:

- **In bed:** The patient is currently lying in bed
- **Not in bed:** The patient has gotten up and is currently not in bed
- **Fall recognized:** The patient has stood up and fallen. NurseAssist triggers an alarm



The **Kepler NurseAssist Extended** license additionally distinguishes the following events:

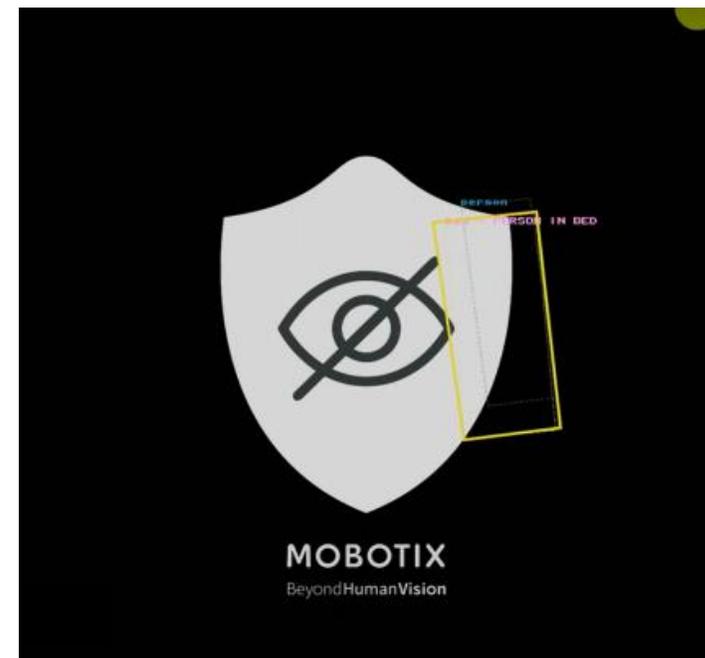
- **Sitting on the edge of the bed:** The patient is sitting on the edge of the bed and may need help to get up
- **Enter room / leave room**
- **Bed not recognized / not present:** The bed may have been pushed out of the room
- **Sitting on the floor:** NurseAssist Extended also distinguishes between lying and sitting on the floor
- **In the bathroom:** The patient has entered the bathroom and may need help soon



Thanks to the decentralized MOBOTIX architecture, the MOBOTIX c71 NurseAssist Smart Sensor processes the required data completely **without storing the camera images**.

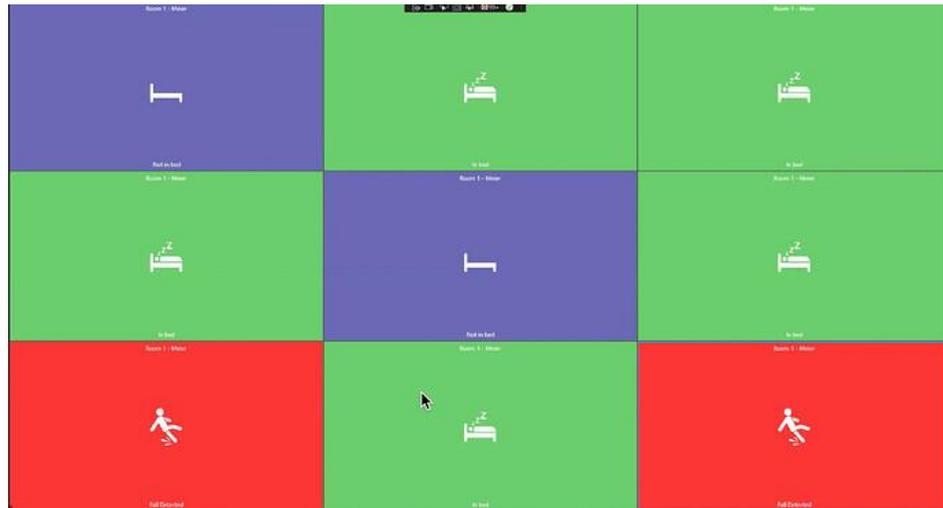
Access to the data collected by the c71 NurseAssist Smart Sensor is logged. This allows unauthorized access to be identified.

MOBOTIX c71 NurseAssist camera images can also be covered with a **privacy mask** to ensure that patient rooms can only be viewed in case of danger or not at all.



NurseAssist Privacy Mask: The person in bed is recognized without the Live image is transmitted

[MOBOTIX NurseAssist Privacy  
Whitepaper](#)



The tile view of the MOBOTIX HUB NurseAssist Dashboard visualizes room conditions in colour in a status tab for the nurse, without restricting the privacy of the patients.



The MOBOTIX HUB NurseAssist Dashboard can be flexibly adapted to increasing patient numbers

In addition to the currently recorded patient event, the MOBOTIX HUB NurseAssist Dashboard can also display overviews of all recorded events from the last 6 hours to the last 6 months:



Timeline to view the occurrence of NurseAssist events chronologically.



Statistical view to see the frequency of events.



The chronological timeline and the statistical view can be freely combined in the dashboard.

- 1. Free layout design:** status messages and live camera views can be freely combined in the dashboard
- 2. Patient information:** Nurses can add information such as patient name, medication intake or treatment focus to each patient in MOBOTIX HUB to ensure optimal handover at shift changes
- 3. Blur filter:** If required, staff can make the live images of the rooms unrecognizable to ensure patient privacy
- 4. Intercom function:** Using a push-to-talk function, nursing staff can communicate directly with patients via the MOBOTIX c71 NurseAssist Smart Sensor and react quickly in critical situations.
- 5. Activity Report:** MOBOTIX HUB supports a password-protected export of Nurse Assist data to support further analyses, such as for personnel planning and proof of workload in service accounting



With the MOBOTIX Hub NurseAssist Dashboard Plugin and the following settings, MOBOTIX c71 NurseAssist Smart Sensors can be easily integrated into the MOBOTIX HUB to get a clear dashboard with all relevant information.

## 1. Setup menu of the MOBOTIX c71 NurseAssist sensor:

- Activate the MOBOTIX HUB Analytic Event in the Kepler NurseAssist settings
- Then enter the IP and port of your MOBOTIX HUB installation
- Enter the IP address of your camera in the "Camera name" field

**MOBOTIX**

c71 mx10-32-211-95 Kepler NurseAssist Settings

**notifications**

Enable in-bed notifications  Enable notification when person starts lying in the bed

In-bed/not-in-bed notification duration 30 seconds Notification of bed events is sent after the state has been observed for this number of seconds

**MOBOTIX HUB Analytic Event**

Enable  Enable analytic event reporting

MOBOTIX HUB Host Address 10.250.250.63 The IP address or host name of the MOBOTIX HUB server

MOBOTIX HUB Port Number 9090 The port number of the MOBOTIX HUB event server

Camera Name 10.32.211.95 Camera name or IP address as defined in MOBOTIX HUB. If set to "auto", the camera name is automatically determined from the camera's IPv4 address.

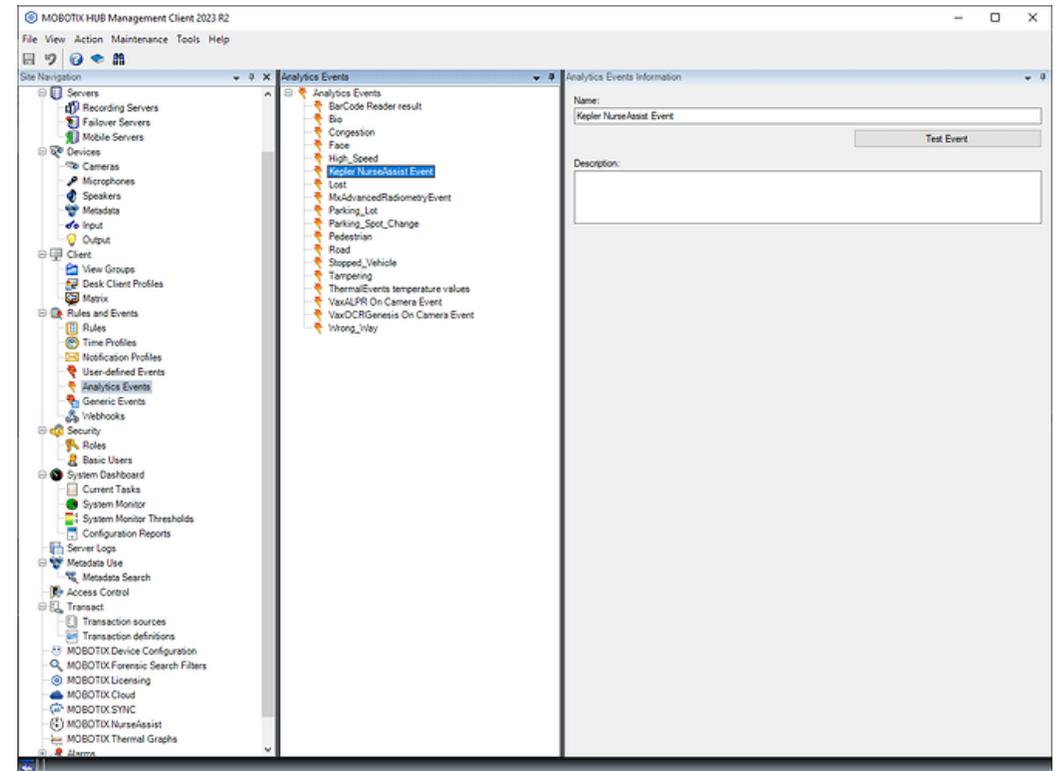
**Advanced**

Ignore areas Polygon points 7 x 5 Define multiple ignore areas as polygons. To add an extra polygon, press the Plus button

Set Factory Restore Close

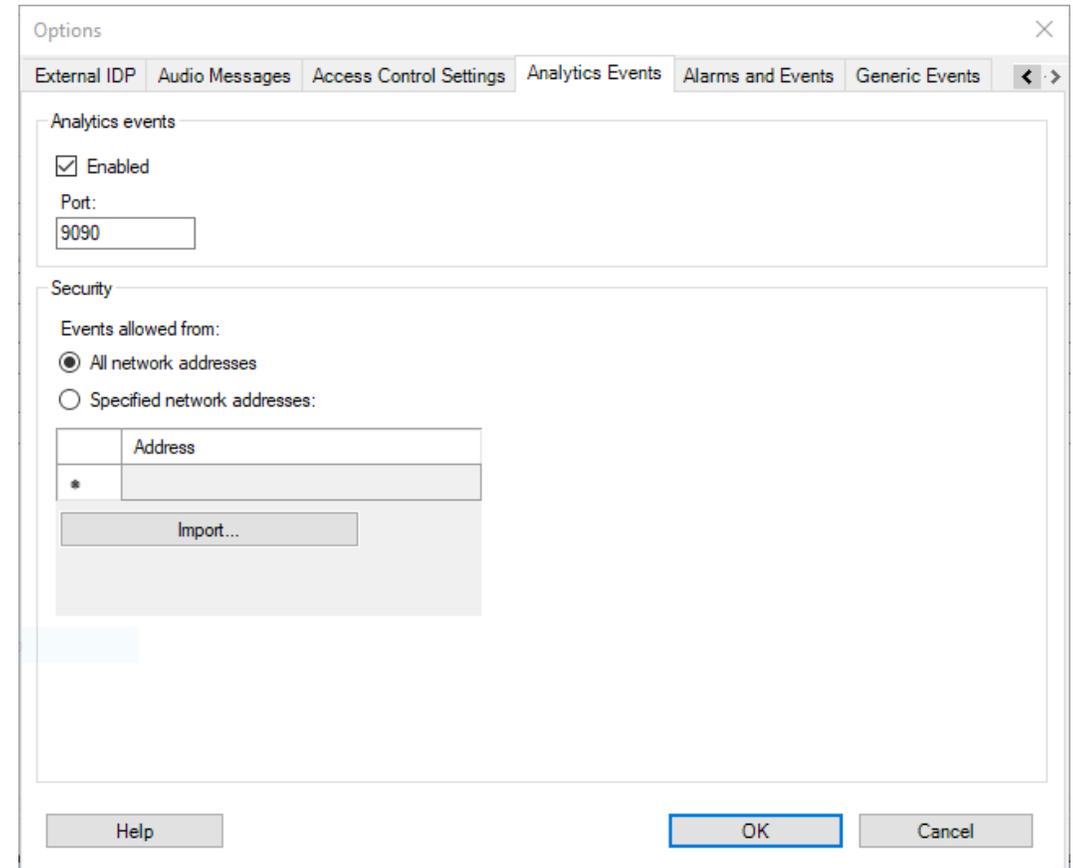
## 2 MOBOTIX HUB Management Client:

- Create a NurseAssist event in the MOBOTIX HUB Management Client under the "Rules and Events" - > "Analytical Events" branch



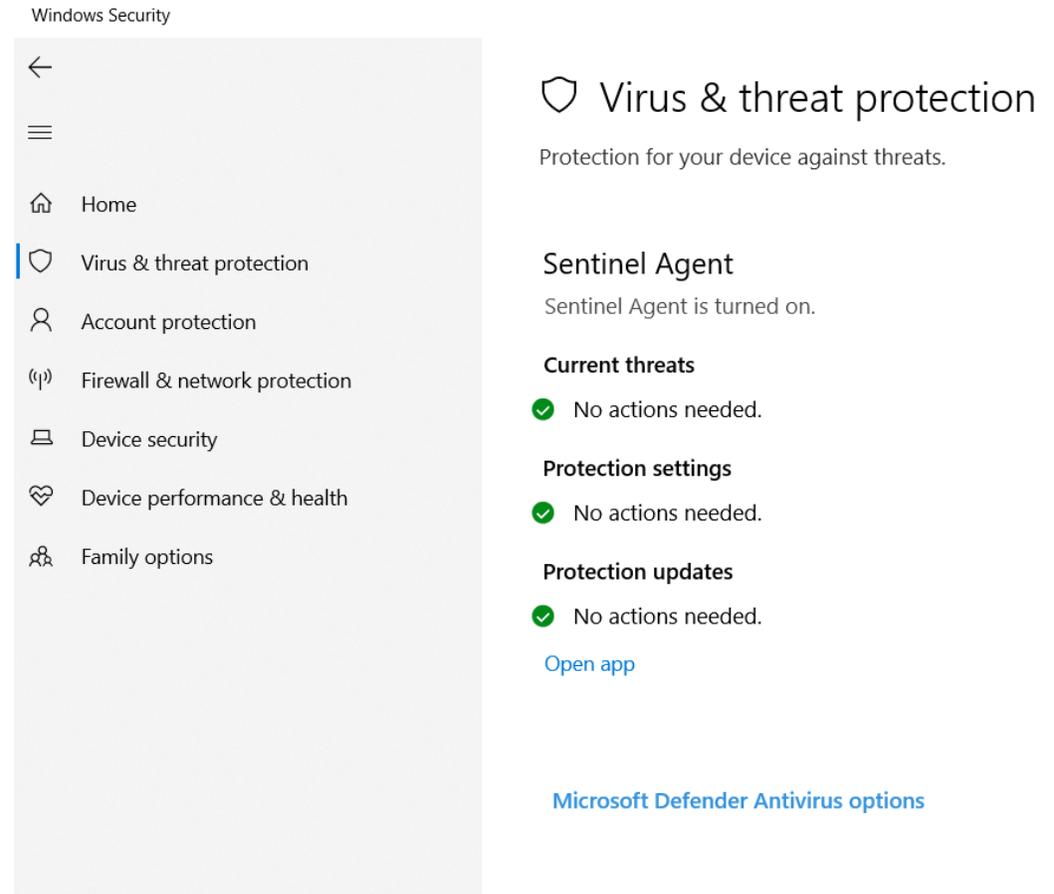
### 3 MOBOTIX HUB Management Client:

- Activate port 9090 by selecting "Extras" -> "Options" in the menu bar and activating the event in the "Analytical events" tab



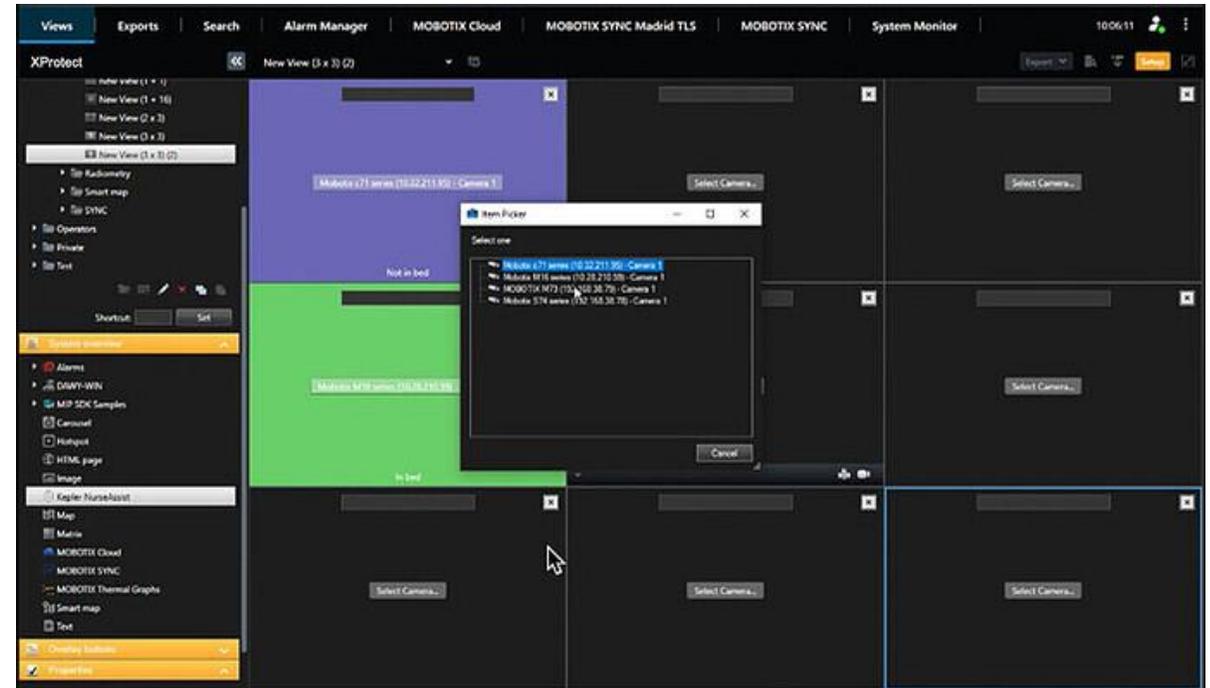
## 4. Windows system settings

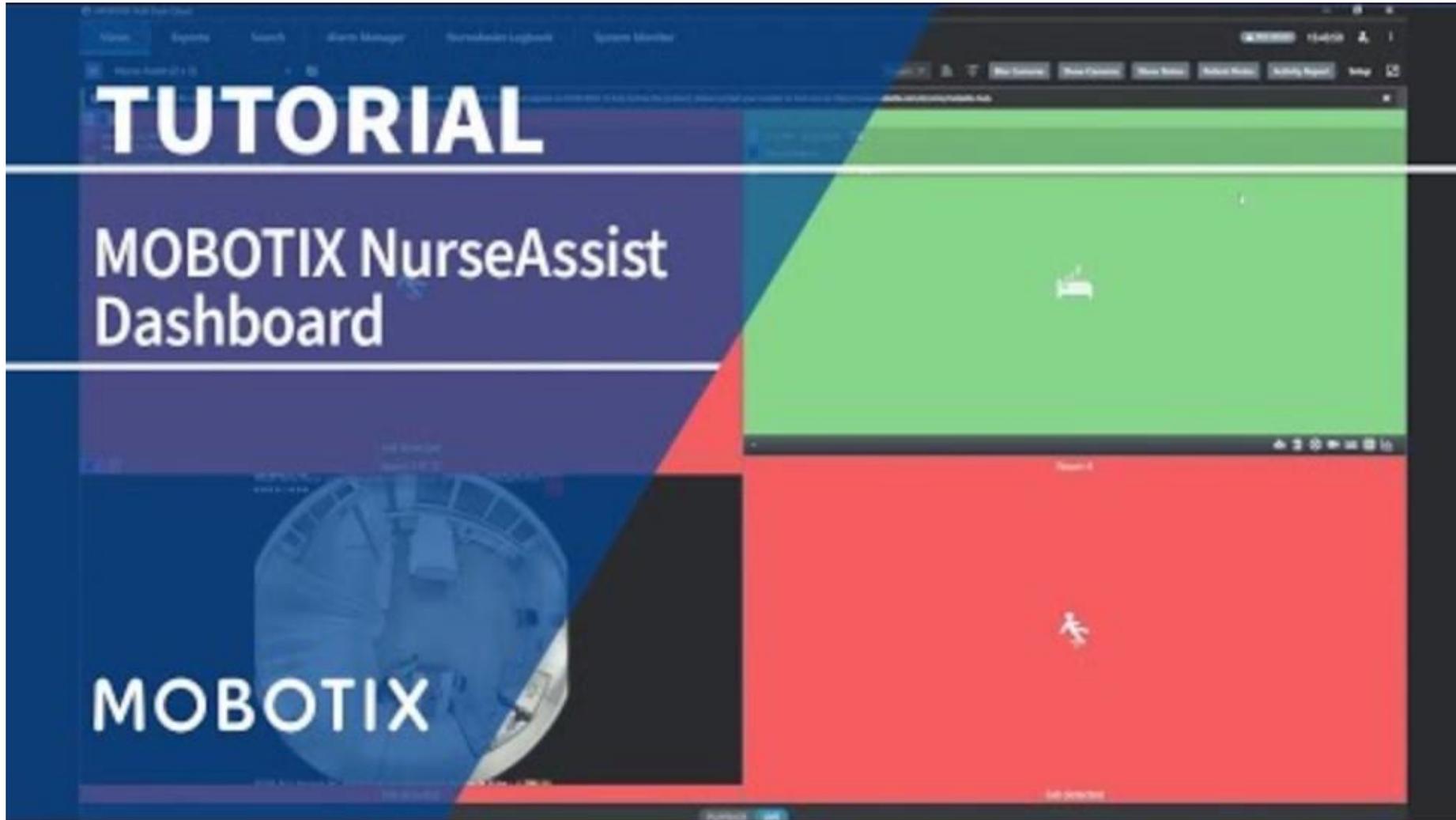
- To ensure access from the MOBOTIX HUB to the c71 sensor, it may be necessary to make changes to the Windows firewall
- To do this, open the system settings, select "Update and Security" -> "Windows Security" -> "Virus & Threat Protection" under "Firewall and Network Protection" you can now make the necessary settings



## 5 MOBOTIX HUB Desk Client:

- Switch to the Desk Client setup mode
- Now you can freely place the NurseAssist status elements in the layout
- Exit the setup mode to start using NurseAssist





[Contact the MOBOTIX sales team](#)

[Further information on the MOBOTIX c71 NurseAssist](#)

[Further information about MOBOTIX HUB](#)

[MOBOTIX Community Article on the NurseAssist Dashboard](#)

# NurseAssist Integration Guide #2

## **MOBOTIX 4IOA Box**

The **MOBOTIX Input Output Box** enables the direct, wired integration of existing devices with the MOBOTIX c71 NurseAssist Smart Sensor to receive signals and trigger actions.

This results in practical applications in the care sector:

**Automatic light control:** When a patient sits on the edge of the bed, the light in the room is automatically switched on to ensure that it is safe to get up. When the patient lies back down in bed, NurseAssist switches the light off automatically

**Call light system in the event of a fall:** If the c71 NurseAssist detects a patient fall, the Input Output Box can automatically activate a light signal that flashes in the care area to alert the nursing staff immediately.

**Audible alarm:** in the event of a fall, an audible alarm system can be activated to alert care staff to the fall





MOBOTIX c71 NurseAssist  
Smart Sensor

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MOBOTIX Mx-4IOA Box

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Existing acoustic and  
Optical alarm systems

The **integration of existing alarm systems** into the MOBOTIX NurseAssist environment offers many **advantages** for patients, staff and operators alike:

**Reliable alarm forwarding:** Thanks to the stable IO connection, no alarms are lost or delayed, enabling an immediate response to critical events.

**Cost savings:** The integration of the IO connection allows existing alarm systems to be used without the need for expensive new equipment or complete system changes.

**Simplified handling:** staff do not need to learn any additional systems as the existing alarms and devices can still be used

**Easy maintenance:** By using proven IO interfaces, maintenance and troubleshooting is easier and faster, which reduces downtime.

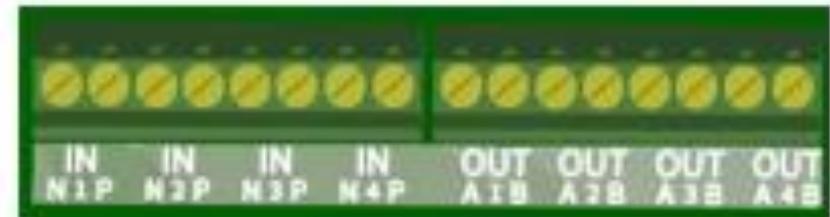
**Expandability and flexibility:** The IO connection enables simple expansion of existing systems

**Greater system stability:** Direct cabling (IO) reduces dependency on wireless or cloud-based systems, which increases operational reliability.

With the MOBOTIX Mx-4IOA Box and the following settings, MOBOTIX c71 NurseAssist Smart Sensors can be easily integrated into existing alarm systems to create a comprehensive, automated alarm system.

## 1. Hardware installation:

- Insert the USB plug included in the scope of delivery into the IO Box
- Connect the desired devices to the corresponding inputs and outputs



## 2. Initialization of the Mx-4IOA-Box:

- Open the web interface of the sensor
- Click on the menu icon
- Open Admin Menu > Network Configuration > Ethernet Interface
- Activate the power supply to Power over Ethernet (class 3) here, if not already done
- You can then connect the Mx-4IOA Box under Admin Menu > Hardware Configuration > Hardware Extensions > USB Termination

### 3. Event configuration:

- In the web interface, open Setup Menu > Event control > Event overview
- In the Signal events section, you can set the desired parameters under Edit
- In the Setup Menu > Event control > Action group overview dialog, you can now use the newly created events

**Contact the MOBOTIX sales team**

Further information about  
MOBOTIX c71 NurseAssist

Further information on the  
Mx-4IOA-Box

MOBOTIX Mx-4IOA-Box  
Installation Guide

# NurseAssist Integration Guide #3

## **IQ Messenger Alarm Nurse Call System**

IQ Messenger is a **platform-independent alarm and communication solution** that has been specially developed for use in critical environments such as healthcare, industry and facility management.

It enables alarms from different systems to be centrally managed, monitored and forwarded to the right people or groups.

IQ Messenger supports various devices and platforms such as smartphones, computers, pagers and DECT telephones, so that communication is **fast, reliable and appropriate to the situation.**



Further information about IQ  
Messenger

IQ Messenger and the MOBOTIX c71 NurseAssist Smart Sensor can be perfectly combined to **optimize alarm management in care facilities**. By managing alarms centrally via IQ Messenger, events generated by the c71 NurseAssist can be brought together in one place, providing care staff with a simple and quick overview.

As IQ Messenger is **platform-independent**, alarms are sent directly to the care staff's mobile devices, whether smartphone, tablet or pager. This ensures that important **messages** can be **received immediately and everywhere**, which significantly shortens response times.

Integration also improves **patient safety**: emergencies are recognized immediately and nursing staff can intervene more quickly to provide the necessary assistance. This not only increases **efficiency**, but also ensures greater patient safety and satisfaction.



MOBOTIX can be integrated via a **proprietary driver** that was developed by IQ Messenger and has been in use for years.

The following instructions are intended to make the integration of MOBOTIX c71 NurseAssist events into IQ Messenger clear and easy to understand.

To integrate the alarms into IQ Messenger, the MOBOTIX NurseAssist configuration must be extended with **action groups** that convert the MxMessage events generated by the NurseAssist App into **IP notifications** and **address** the **event types** prepared in the MOBOTIX driver of IQM.



## Configuration parameters:

IQM supports a variety of MOBOTIX event types based on the naming of the event profiles in the configuration of the MOBOTIX software. The following MOBOTIX event names and types are assigned in IQM:

Supported event types	Supported event profile names
Video motion detector	VM1, VM2, VM3, VM4, VM5
Lighting	IL1, IL2, IL3, IL4, IL5
Microphone	MI1, MI2, MI3, MI4, MI5
Temperature	TP1, TP2, TP3, TP4, TP5
Recording	RE1, RE2, RE3, RE4, RE5
UC softbutton	UC1, UC2, UC3, UC4, UC5
Signal input	Bell1, Bell2, Bell3, Bell4, Bell5

MOBOTIX c71 NurseAssist always triggers an **MxMessageSystem event**, which is not yet supported by IQM at the time of documentation. Since the integration in IQM is mainly based on the **naming of the event profiles** and less on the actual event type used, we use the "**VM events**" to integrate the NurseAssist events.

## IP Notify profile:

Create profiles under "Admin Menu / Transfer Profiles / IP-Notify", which contain the connection and event information for IQM. As a newly created video motion event profile automatically starts with the name "VM1", we recommend using the name "VM2" and following. In our example, "VM2" is used for the "Fall\_Detected" event. The string used under "Message" contains important variables that are automatically replaced by camera information and the event name "VM2" defined for the use case.

Profiles & Options	Value	Explanation
IP Notify Type	Custom Configuration	<b>Predefined Configuration:</b> "MxCC Alarm" sends predefined network messages to the MxCC alarm list. Acknowledge Required prompts the MxCC user to confirm the message. If the alarm is not acknowledged within the specified acknowledge time, the camera triggers a transmission error. Select Custom Configuration to see the extended configuration.
Destination Address	192.168.10.20:8000	<b>Destination Addresses:</b> Receiver IP address and port. Separate IP address and port using a colon. Enter one address per line.
	Parallel send to all	<b>Send Order:</b> Send notification to one or more destinations. Sequential and parallel will send a notification to <b>each</b> destination address. Send to next on error will stop after the <b>first</b> successful notification or will try the next address if unsuccessful.
Data Protocol	Raw TCP/IP	<b>Transfer Protocol:</b> Transfer notification data using these protocol headers.
	--next image--	<b>Separator for Raw TCP/IP:</b> Enter the separator for splitting several notification parts in Raw TCP/IP mode. Enter a unique string.
		<b>CGI Path:</b> Absolute CGI path beginning with '/'. This parameter allows using <b>variables</b> .
	*****	<b>HTTP Authentication:</b> User name and password for HTTP authentication separated by colon. Example: admin:meinom
Data Type	Plain text	<b>Notification Data:</b> Select type of IP notification data.
	[\"name\":\"\${ID.NAM}\",\"event\":\"\${FPRENO}\",\"eventName\":\"VM2\",\"ip\":\"\${ID.ETHERNET}\"]	<b>Message:</b> Message to include in Plain text notification data. When using HTTP protocol this text is used for QUERY_STRING in GET request. This parameter allows using <b>variables</b> .

### **Test IP notification:**

To ensure the correct configuration of the IP notification, the created profile can be triggered manually under "Admin menu / Network setup / Test current network configuration" to test whether the IP notification is received correctly.

## Action group profile:

To link the "Fall\_Detected Event" with the sending of the IP Notify and thus trigger a "VM2 Event" in the IQM, a **new action group** must be created under "Setup Menu / Event Control / Action Group Overview".

For each MOBOTIX c71 NurseAssist event, a corresponding MxMessageSystem event profile is already created by default. In our example, we select the "Fall\_Detected" event profile and link it to the previously created "IQM VM2" action profile.

The screenshot displays the configuration interface for an Action Group. The title bar indicates the device ID 'c71 mx10-32-204-170' and the page title 'Action Group Details'. The configuration is organized into several sections:

- General Settings:**
  - Action Group:** IQM VM2 Falling
  - Enabled:** A dropdown menu set to 'Enabled'.
  - Time Table:** (No time table)
- Event Selection:** A list of messages is shown in a dropdown menu:
  - (Message: KeplerNurseAssist)
  - (Message: Fall\_Detected) - This option is highlighted in blue.
  - (Message: Not\_In\_Bed)
  - (Message: In\_Bed)
  - (Message: Situation\_Normal)
- Action Details:**
  - Action Deadline:** 5
  - Action Chaining:** Simultaneously
- Actions:**
  - Action 1:** IP Notify: IQM VM2
  - Action Timeout or Duration:** 0

At the bottom left, there is a button labeled 'Add new action'. The right side of the page contains an 'Explanation' column with detailed text for each setting.

### Configuration file:

The attached configuration file can be loaded onto a MOBOTIX c71 NurseAssist Smart Sensor in the factory settings. Previously made configurations can therefore be overwritten by the file.

The following parameters must be **adjusted manually** for each installation:

- Activation of the predefined **MxMessageSystem event profiles** (e.g. "Fall\_Detected")
- Customizing **the IP address and port** of the IQ Messenger server
- Customization of **user name and password** for authentication on the server

[Download configuration file](#)

Contact the MOBOTIX sales team

Further information on the  
MOBOTIX c71 NurseAssist

MOBOTIX Community  
article on IQ Messenger  
alarm integration

# NurseAssist Integration Guide #4

## **Ascom SmartSense Nurse Call System**

*Ascom* is a global solution provider focusing on ICT and mobile workflow solutions in the healthcare sector.

The *Ascom Unite SmartSense solution* - based on the *Ascom teleCARE IP platform* - enables the creation of individual resident profiles. These help to create care environments that combine safety and autonomy. The solution can be supplemented with various sensors and cameras as required. These sensors, video images and smart algorithms support the alarm function.

The integration of the MOBOTIX c71 NurseAssist into Ascom SmartSense enables the status messages and alarms generated in NurseAssist to be integrated into the Ascom SmartSense interface. This allows existing SmartSense installations to be enhanced with additional valuable information.

The Ascom logo is displayed in a bold, lowercase, red sans-serif font.

Further information Ascom  
SmartSense

**The integration of the MOBOTIX c71 NurseAssist** into your existing Ascom SmartSense installation offers many **advantages** for patients, staff and operators alike:

### **Better data integration**

- Combined analysis of information from various sensors for better decision-making
- Support for risk analysis through standardized data storage and processing

### **Use existing infrastructure**

- Easy integration into existing systems without extensive customization
- Minimized training effort for nursing staff

### **Cost savings and scalability**

- Lower installation and maintenance costs, as NurseAssist is integrated directly into SmartSense
- Scalable solution that can be adapted to changing maintenance requirements and easily expanded

The MOBOTIX c71 NurseAssist Smart Sensor comes with a configuration optimized for the application and thus differs significantly from other MOBOTIX cameras by default.

To integrate the alarms into Ascom SmartSense, this configuration must be extended with customized IP Notify profiles and action groups that convert the MxMessageSystem events generated by the NurseAssist app into compatible IP notifications and address the alarm structure prepared in Ascom SmartSense.

## 1. Creation of an IP Notify profile:

Go to the *Admin menu > Transfer profiles > IP Notify profiles*. Click on the *Add new profile* button.

Fill in the fields as shown in the illustration

The screenshot shows the configuration page for 'IP Notify Profile 8' with the name 'SmartSenseFallDetected'. The interface includes a 'Delete' button and a table with the following settings:

Profiles & Options	Value	Explanation
IP Notify Type	HTTP/HTTPS	<b>Predefined Configuration:</b> "MxCC Alarm" sends predefined network messages to the MxCC alarm list. <i>Acknowledge Required</i> prompts the MxCC user to confirm the message. If the alarm is not acknowledged within the specified acknowledge time, the camera triggers a transmission error. Select <i>Custom Configuration</i> to see the extended configuration.
Destination Address	dev-smartsense.ascom.com	<b>Destination Addresses:</b> Receiver IP address and port. Separate IP address and port using a colon. Enter one address per line.
HTTP Method	GET	<b>HTTP Method:</b> Transfer data using one of these HTTP methods.
	/api/thirdparty/alerts/trigger-alert?SensorId=c71DEYM&AlertNar	<b>CGI-Path:</b> Absolute CGI path beginning with '/'. This parameter allows using <b>variables</b> .
Security	HTTPS	<b>HTTP Schema:</b> Transfer data using these HTTP schemas.
	Basic authentication	<b>Authentication Method:</b> Method for HTTP Authentication.
	.....	<b>HTTP Authentication:</b> User name and password for HTTP authentication separated by colon. <i>Example:</i> admin:meinSm
Data Type	JSON	<b>Notification Data:</b> Select type of IP notification data.

## 2. Create case-detected notification:

For FallDetected notifications, we use a GET request up to the endpoint *trigger-alert*:

```
/api/thirdparty/alerts/triggeralert?  
SensorId={{SensorId}}&AlertName={{AlertName}}&SensorType
```

Field	Type	Description
SensorId	String	Unique identifier for a specific sensor. Can only contain upper/lower case letters and numbers.
AlertName	String	Name of the alarm, should be present, in this <i>caseDetected</i>
SensorType	String	In this case <i>NurseAssist</i>

### 3. create NotInBed and InBed corrections:

- For NotInBed and InBed notifications, we use the *clients* endpoint:

```
/api/thirdparty/clients/status?SensorId={{SensorId}}&SensorType={{SensorType}}&StatusName={{StatusName}}
```

Field	Type	Description
Sensor ID	String	Unique identifier for a specific sensor. May only contain upper/lower case letters and numbers.
Sensor type	String	In this case, it is NurseAssist
StatusName	String	The name of the status, in this case either InBed or NotInBed

### **4. test the configuration:**

You can test the configuration of the IP Notify profile by going to "Admin menu → Network setup → Test current network configuration → IP Notify". Select the IP notification profile that you configured above.

Contact the MOBOTIX sales team

Further information on the  
MOBOTIX c71 NurseAssist

MOBOTIX Community article  
on Ascom SmartSense  
integration

# NurseAssist Integration Guide #5

## **HPS ConectedHealth Nurse Call System**

The MOBOTIX *c71 NurseAssist* Smart Sensor comes with a configuration optimized for the application and thus differs significantly from other MOBOTIX cameras by default.

To integrate the alarms into ConnectedHealth, this configuration must be extended with customized IP Notify profiles and action groups that convert the MxMessageSystem events generated by the *NurseAssist app* into compatible IP notifications and address the alarm structure prepared in ConnectedHealth.

## 1. Creation of an IP Notify profile:

Go to the *Admin menu > Transfer profiles > IP Notify profiles*. Click on the *Add new profile* button.

Fill in the fields as shown in the illustration

The screenshot shows the configuration for 'IP Notify Profile 9' named 'ConnectedHealth'. The interface is divided into two main columns: 'Profiles & Options' and 'Explanation'.

Profiles & Options	Value	Explanation
IP Notify Type	HTTP/HTTPS	<b>Predefined Configuration:</b> "MaCC Alarm" sends predefined network messages to the MaCC alarm list. Acknowledge Required prompts the MaCC user to confirm the message. If the alarm is not acknowledged within the specified acknowledge time, the camera triggers a transmission error. Select Custom Configuration to see the extended configuration.
Destination Address	api.demo.connected-health.nl:3000	<b>Destination Address:</b> Receiver IP address and port. Separate IP address and port using a colon. Enter one address per line.
	Parallel send to all	<b>Send Order:</b> Send notification to one or more destinations. Sequential and parallel will send a notification to each destination address. Send to next on error will stop after the first successful notification or will try the next address if unsuccessful.
HTTP Method	POST	<b>HTTP Method:</b> Transfer data using one of these HTTP methods.
	/kepler/event	<b>CGI-Path:</b> Absolute CGI path beginning with '/'. This parameter allows using variables.
Security	HTTP/1.1	<b>HTTP Schema:</b> Transfer data using these HTTP schemas.
	Basic authentication	<b>Authentication Method:</b> Method for HTTP Authentication.
	*****	<b>HTTP Authentication:</b> User name and password for HTTP authentication separated by colon. Example: admin:admin
Data Type	JSON	<b>Notification Data:</b> Select type of IP notification data.
	<pre>{   "uuid": "\${MSG.LOCAL.KeplerNurseAssist.notification.uuid}",   "timestamp": "\${MSG.LOCAL.KeplerNurseAssist.notification.timestamp}",   "type": "\${MSG.LOCAL.KeplerNurseAssist.notification.notificationType}",   "stream": "\${ID.NAM}",   "message": "\${MSG.LOCAL.KeplerNurseAssist.notification.notificationType}" }</pre>	<b>Message:</b> Message to include in Plain text notification data. When using HTTP protocol this text is used for QUERY_STRING in GET request. This parameter allows using variables.
Send Port	0	<b>Port Number:</b> Send a message from this camera port (0 for automatic).

## 2. Test the configuration:

You can test the configuration of the IP Notify profile by going to *Admin Menu > Network Setup > IP Notify* to test the current network configuration. Select the IP Notify profile that you configured above.

## 3. Activate Kepler NurseAssist MxMessage events:

Go to the *Setup menu > Event control > Event overview > Message events* and activate the predefined MxMessageSystem event profiles that you want to use as alarm triggers for ConnectedHealth.

## 4. Create an action group:

- Go to *Setup menu* → *Event control* → *Action group overview*. Click on the *Add new group* button.
- Defining a name for the action group profile
- Select one of the predefined Kepler NurseAssist MxMessageSystem events in the *event picker*
- Click on the *Add new action* button and select the IP notification profile created according to the example above

General Settings	Value	Explanation
<b>Action Group</b>	FallDetected	<b>Name:</b> The name is purely informational.
	Enabled	<b>Arming:</b> Controls this action group: Enabled: activate the group. Off: deactivate the group. SI: group armed by signal input. CS: group armed by custom signal as defined in <a href="#">General Event Settings</a> .
	(No time table)	<b>Time Table:</b> Time table for this action profile ( <a href="#">Time Tables</a> ).
<b>Event Selection</b>	<ul style="list-style-type: none"> <li>{Image Analysis: A5}</li> <li>{Image Analysis: VM}</li> <li>{Image Analysis: VM2}</li> <li>Message: NotInBed</li> <li>Message: FallDetected</li> </ul>	<b>Event Selection:</b> Select the events which will trigger the actions below. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <b>activated</b> first.
<b>Action Details</b>	5	<b>Action Deadtime:</b> Time to wait (0..3600 s) before a new action can take place.
	Simultaneously	<b>Action Chaining:</b> Choose how the status of each subaction influences the execution of all others. Simultaneously: All actions are executed simultaneously. Simultaneously until first success: Simultaneous execution, but as soon as one action succeeds (i.e. has been completed or the phone is picked up), all others are terminated. Consecutively: All actions are executed in the specified order. Consecutively until first success: Consecutive execution, but as soon as one action succeeds, the following actions are not executed. Consecutively until first failure: Consecutive execution, but as soon as one action fails, the following actions are not executed.
<b>Actions</b>	<b>Value</b>	<b>Explanation</b>
<b>Action 1</b>	IP Notify: ConnectedHealth	<b>Action Type and Profile:</b> Select the Action Profile to be executed.
<input type="checkbox"/> Delete	0	<b>Action Timeout or Duration:</b> If this action runs longer than the time specified (0..3600 s), it is aborted and returns an error; 0 to deactivate. For Image Profile action, this is the duration and no error returns.

Contact the MOBOTIX sales team

Further information about  
MOBOTIX c71 NurseAssist

MOBOTIX Community article  
on HPS ConnectedHealth  
integration

# NurseAssist Integration Guide #6

## **Skyresponse Alarm Nurse Call System**

*Skyresponse* is a software company that offers a cloud-based SaaS alarm management platform that integrates with a variety of sensor types to enable user-centric solutions.

By integrating MOBOTIX NurseAssist into existing Skyresponse applications, alarms triggered by NurseAssist, such as detected falls, can be transmitted directly to the Skyresponse alarm management platform.



Further information about  
SKYRESPONSE

The **integration of MOBOTIX c71 NurseAssist alarms into existing Skyresponse installations** offers many **advantages** for patients, staff and operators alike:

### **Fast response times:**

- Automatic alarm forwarding to the responsible nursing staff.
- Immediate notification of critical events (e.g. falls).

### **Increased patient safety:**

- Continuous monitoring and early detection of emergencies.
- Reduction of undetected critical incidents through automatic fall detection

### **Centralized alarm management:**

- All alarms are brought together on one platform.
- Efficient management and tracking of incidents.

### **Scalability:**

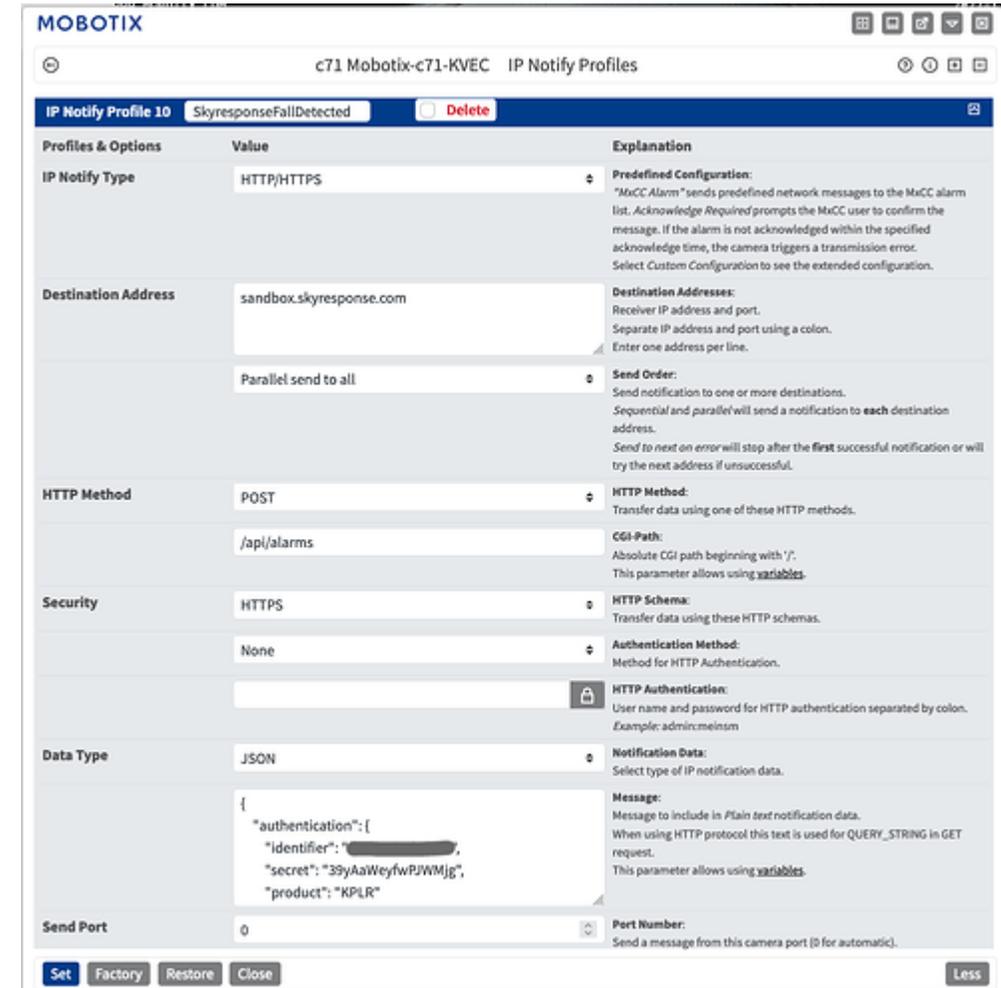
- Easily expandable solution for small to large facilities.
- Support for multi-site infrastructures.

The MOBOTIX *c71 NurseAssist* Smart Sensor comes with a configuration optimized for the application and thus differs significantly from other MOBOTIX cameras as standard.

**To** integrate the alarms into **Skyresponse**, this configuration must be extended with customized IP Notify profiles and action groups that convert the MxMessageSystem events generated by the *NurseAssist app* into compatible IP notifications and address the alarm structure prepared in *Skyresponse*.

## 1. Create IP Notify profiles:

- Go to "Admin menu" → Transfer profiles → IP Notify profiles. Click on the "Add new profile" button and fill in the fields as shown in the illustration
- Repeat this process for each notification type that corresponds to each action group you have created.  
you have created.



You can find the content of the message here

This is a mapping from the notification type to the Skyresponse alert ID (the list is not yet updated with some of the NurseAssist types)

<b>Kind</b>	<b>Skyresponse identifier</b>
CAMERA_UNREACHABLE_DETECTION	77431
HALLWAY_WANDER_DETECTION	77432
IN_BATHROOM_DETECTION	77425
INTRUDER_IN_ROOM_DETECTION	77433
MAN_DOWN_DETECTION	77421
MISSING_BED_DETECTION	77426
OUT_OF_BED_DETECTION	77423
OUT_OF_ROOM_DETECTION	77424
PERSON_VISIBLE_DETECTION	77427
PERSON_GETTING_UP_FROM_CHAIR_DETECTION	77428
PERSON_GETTING_UP_IN_BED_DETECTION	77429
SOEB_DETECTION	77422
STAFF_ENTERING_ROOM_DETECTION	77430
NO_DETECTION	77434
IN_BED_DETECTION	77434

### 2. Test the configuration:

- You can test the configuration of the IP Notify profile by going to "Admin menu → Network setup → Test current network configuration → IP Notify". Select the IP notification profile that you configured above.

**Contact the MOBOTIX sales team**

Further information on the  
MOBOTIX c71 NurseAssist

MOBOTIX Community article on  
Skyresponse integration

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BeyondHuman**Vision**

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