



# Technical Specifications

## MOBOTIX ActivitySensor AI App

### Smart Activity Analytics

The app's artificial intelligence-based algorithms detect and classify user-defined motion and objects in up to 20 detection areas. Best suited for: Utilities, Health Care, Energy & Mining; Industry & Production; Government; Traffic & Transportation; Retail; Healthcare; Education & Science

- Motion detection of user-defined objects such as persons and/or vehicles
- Detection and classification of objects based on artificial intelligence
- Detection and specification of the motion direction MOBOTIX events via MxMessageSystem
- Consolidated event search via MxManagementCenter Smart Data Interface
- Definition of up to 20 detection areas within the camera's field of view



BeyondHumanVision

MOBOTIX

Technical Specifications

MOBOTIX MOBOTIX ActivitySensor AI App

---

Product Information

Product Name	MOBOTIX ActivitySensor AI App
Order Code	-/-
Supported MOBOTIX Cam- eras	M73, S74, D71
Minimum Camera Firmware	v7.3.1.x
MxManagementCenter com- patibility	<ul style="list-style-type: none"><li>min. MxMC v2.5</li><li>Configuration: Advanced Config license required</li><li>Event Search: Smart Data Interface license included</li></ul>

---

Product Features

App Features	<ul style="list-style-type: none"><li>Motion detection of user-defined objects such as persons and/or vehicles</li><li>Detection and classification of objects based on artificial intelligence</li><li>Detection and specification of the motion direction MOBOTIX events via MxMessageSystem</li><li>Consolidated event search via MxManagementCenterSmart Data Inter- face</li><li>Definition of up to 20 detection areas within the camera's field of view</li></ul>
Maximum number of recog- nition areas	20
Recognized objects	Persons, Cars, Trucks, Buses, Motorcycles, Bicycles
Supported image sensor types	Day, Night, Day/Night
Dual / Multi Sensor usage	No (See Hardware Requirements below)
MxMessageSystem sup- ported	Yes
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic Message event)

---

## Hardware / Scene Requirements

Camera Sensor Connector    Connector 1

**NOTE!** Only one image sensor can be used

Object Recognition as basis for MOBOTIX ActivitySensor AI

Recommended installation    wall-mounted  
position (camera)

Recommended installation    2m - 5m  
height (camera)

Recommended viewing        0° - 30° (wall mount perspective)  
angle on object

Minimum object size         1/20 of image height (15px at CIF resolution)

---

## Technical App Specifications

Synchronous / Asynchronous App    asynchronous

Processed frame rate                  typ. 5 fps

Detection average accuracy        Persons: >90%; Vehicles: >85%

---



EN\_07/22

MOBOTIX AG • Kaiserstrasse • D-67722 Langmeil • Tel.: +49 6302 9816-103 • sales@mobotix.com • www.mobotix.com

MOBOTIX is a trademark of MOBOTIX AG registered in the European Union, the U.S.A., and in other countries. Subject to change without notice. MOBOTIX do not assume any liability for technical or editorial errors or omissions contained herein. All rights reserved. © MOBOTIX AG 2019