

# **Technical Specifications**

# **MOBOTIX Color Recognition App**

#### **Object Recognition Based on Artificial Intelligence**

The app's artificial intelligence-based algorithms collect behavioral data on individuals and objects. In a heat map, the most frequented locations in the detection are color-coded. Furthermore movements in defined restricted areas can be detected.

- Free of charge and license-free.
- Motion detection in (defined) restricted areas.
- Person/object counting based on motion detection (optional: accumulated).
- Creates Heatmaps.
- Auto-generated counting and heat map reports.
- Can be used with all cameras of the MOBOTIX 7 system platform.

#### Best suited for the requirements of the following industries:

Utilities, Energy & Mining; Industry & Production, Government, Traffic & Transportation, Retail, Healthcare, Education & Science



MOBOTIX

Beyond Human Vision

#### Intelligent Color Recognition

The app's artificial intelligence-based algorithms simply detects colors in various scenes and environments.

- Detection of user-specified color values within customized detection areas.
- Definition of up to 20 detection areas within the camera's field of view.
- Supports the recognition of all RGB color values.
- Set sensitivity, required percentage within the defined detection area and duration of the associated condition.
- Can be used with all cameras of the MOBOTIX 7 system platform.

#### Best suited for the requirements of the following industries:

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### **Product Information**

Product Name	MOBOTIX Color Recognition App		
Order Code	Mx-APP-MX-COR		
Supported MOBOTIX Cam- eras	M73, S74, D71		
Minimum Camera Firmware v7.3.1.x			
MxManagementCenter com- patibility	<ul> <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	
	<ul> <li>Detection of user-specified color values within customized detection areas</li> <li>Definition of up to 20 detection areas within the camera's field of view</li> <li>Supports the recognition of all RGB color values</li> <li>Set sensitivity, required percentage within the defined detection area and duration of the associated condition</li> <li>MOBOTIX events via MxMessageSystem</li> </ul>
Maximum number of recog- 20 nition areas	

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Supported image sensor types	Day, Night, Day/Night
Dual / Multi Sensor usage	Yes
MxMessageSystem sup- ported	Yes
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic Message event)

## Hardware / Scene Requirements

the color recognition is detecting any color value in the field of view of the camera or a customized detection area and thus it is not depending on installation or hardware requirements

Minimum area percentage 1% of the image resolution

## **Technical App Specifications**

Synchronous / Asynchronous App	asynchronous
Processed frame rate	typ. 10 fps



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