



# 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



BeyondHumanVision

MOBOTIX

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MOBOTIX Color Recognition App

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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:

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

Product Information

|                                       |                                                                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                          | MOBOTIX Color Recognition App                                                                                                                                                            |
| Order Code                            | Mx-APP-MX-COR                                                                                                                                                                            |
| Supported MOBOTIX Cam-<br>eras        | M73, S74, D71                                                                                                                                                                            |
| Minimum Camera Firmware               | v7.3.1.x                                                                                                                                                                                 |
| MxManagementCenter com-<br>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>■ 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-<br>nition areas | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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

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## 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

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## Technical App Specifications

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

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