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

HEVCAdvance™

BeyondHumanVision

MOBOTIX

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 Cameras	M73, S74, D71
Minimum Camera Firmware	v7.3.1.x
MxManagementCenter compatibility	- min. MxMC v2.5 - Configuration: Advanced Config license required - Event Search: Smart Data Interface license included

Product Features

App Features	- 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 - MOBOTIX events via MxMessageSystem
Maximum number of recognition areas	20

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)

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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