



Technical Specifications

MOBOTIX Thermal Validation App

MOBOTIX Thermal Validation App

The MOBOTIX Thermal Validation app detects and filters out warm objects that appear in the camera image but are not critical to the application at hand; one example of this would be a vehicle with a hot engine driving through the monitored area.

- Expands on the temperature measurement functions of MOBOTIX TR cameras
- Filters out vehicles as a non-critical heat sources (e.g. hot body parts or exhaust)
- Up to 20 temperature measurement ranges within the camera's field of view
- Each temperature measuring range (e.g., emissivity) can be calibrated individually
- Detects physical manipulations of the thermal sensor (e.g. covering the sensor)
- MOBOTIX events using MxMessageSystem
- Temperature data and threshold value status of the measuring ranges are transmitted via MODBUS/TCP and JSON/XML via HTTP(S)



Technical Specifications

MOBOTIX Thermal Validation App

Product Information

Product Name	MOBOTIX Thermal Validation App
Supported MOBOTIX Cameras	M73, S74 (Thermal Radiometry Sensor required)
Minimum Camera Firmware	V7.3.2.x
MxManagementCenter Integration	<ul style="list-style-type: none">min. MxMC v2.7Advanced Config license requiredEvent Search: Smart Data Interface license included
MOBOTIX HUB com- patibility	<ul style="list-style-type: none">min. MOBOTIX HUB version: 2021 R1min. MOBOTIX HUB license level for Analytics Events: L2min. MOBOTIX HUB license level for MOBOTIX Event Search Plug-In: L4
Trial license	30-day trial license pre-installed

Product Features

App Features	<ul style="list-style-type: none"> ■ App optimizes MOBOTIX Thermal Radiometry cameras for use in the fields of waste management and logistics ■ Enables filtering of vehicles (e.g. construction vehicles and forklifts) as a non-critical source of high temperatures (e.g. by measuring hot body parts such as the exhaust or engine cover) ■ Extension of the temperature measurement functions of MOBOTIX Thermal Radiometry cameras ■ Definition of up to 20 temperature measurement areas within the field of view of the camera ■ individual calibration of each temperature measurement area (e.g. emissivity values) ■ Temperature events when defined temperature thresholds are exceeded ■ Detection of physical manipulation of the thermal sensor (e.g. sensor covered) ■ MOBOTIX events via MxMessageSystem ■ Reporting of temperature data and threshold status of each area via MODBUS/TCP and JSON / XML via HTTP(S)
Maximum number of measurement areas	20
Supported thermal sensor types	Thermal Radiometry
Meta Data / Statistic formats	JSON
Integration Interfaces	<ul style="list-style-type: none"> ■ Milestone X-Protect (via XML) ■ Generic 3rd party integration through XML, JSON and MODBUS/TCP
MxMessageSystem supported	Yes
MOBOTIX events	Yes
ONVIF Events	Yes (Generic Message events)
Trial license	30-day trial license pre-installed

Technical Specifications

MOBOTIX Thermal Validation App

Scene Requirements for Object Recognition

Recommended camera position no restrictions

Technical App Specifications

Synchronous / Asynchronous
Asynchronous App

Simultaneous execution of other apps Yes (depending on performance expectations)

MOBOTIX

BeyondHumanVision

[EN_05/23](#)

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