

MOBOTIX Thermal Validation

Certified App

The Game Changer: Reduce The Number of False Alarms in Thermal Applications

Detect and Filter Out Non-Critical Heat Sources

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. Using this method, this intelligent app effectively reduces the number of false alarms or—in the best-case scenario—completely prevents them.

This function uses MOBOTIX TR (Thermal Radiometry) technology, which measures heat radiation throughout the image area and assigns a temperature value to each pixel.



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M73 VGA Thermal Camera + Thermal Validation App

MOBOTIX 7 App: Thermal Validation



Areas of Application:

[Waste management](#)

No alarm triggered, even though the temperature of the digger's engine and exhaust system exceed the defined limits (see the demo video for more information.)

[Logistics](#) and [industry](#)

Delivery vehicles, forklifts and other vehicles can remain in the camera's monitoring area without triggering alarms.

Functions at a Glance

- Expands on the temperature measurement functions of MOBOTIX TR cameras (CNPP 19005-compliant)
- 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)

Tangible Benefits

- ✓ Fewer or no false alarms
- ✓ Time savings
- ✓ Can be operated in parallel with other apps

The app is particularly suitable for the following industries:

Utilities, energy and mining; industry and production; logistics and transportation



Weiterführende Links

Software Downloads >

Data Sheets >