Technical Specifications

MOBOTIX Irisity IRIS Core Intrusion App

Detect human activity in armed zones

Irisity IRIS Core Intrusion App triggers alarms on trespassing in restricted areas. The algorithm offers accurate detections of human activity at long distances and across vast areas. The application has an accuracy of up to 99 %. The app can be tested free of charge for 30 days and can be activated for an unlimited period. Detections of human presence also includes vehicles such as bikes, cars, and trucks - even during bad weather conditions and under bad lighting.

- Detects the intrusion of objects of interest into user-defined detection zones / areas
- Designed for reliable detection of people and vehicles covering only small portions of the field of view
- Reduction of false alarms to a minimum by filtering out non-critical motion (e.g. trees, clouds, etc.)
- MOBOTIX events via MxMessageSystem
- Consolidated event search via MxManagementCenter Smart Data Interface and / or MOBOTIX HUB

HEVCAdvance™

BeyondHumanVision

MOBOTIX

Technical Specifications

Irisity IRIS Core Intrusion App

Respecting Privacy - Anonymous & Data-secure

Irisity IRIS Core Intrusion App - Choose to detect suspicious activity rather than exposing personal identity. Pixelate or mask out specific zones to comply with camera permit regulations. IRIS™ Anonymization is particularly suitable for sensitive installations such as school, health, and public places.

- Patented dynamic pixelation of people in the camera's field of view.

- Comply with privacy and data regulations.

- Enables quick implementation to new installations.

- De-identify people in live and recorded video images.

- Applicable in indoor and outdoor camera operation.

Product Information

Product Name	Irisity IRIS Core Intrusion App
Order Code	Mx-APP-IRIS-C-INT
Supported MOBOTIX Cameras	D71, M73, S74, p71, v71
Minimum Camera Firmware	V7.3.0.x
MxManagementCenter Integration	- min. MxMC v2.5.3 - Configuration: Advanced Config license required - Research: Smart Data Interface license included

Product Features

App Features	- Detects human activity in user-defined detection zones in vast areas (intrusion detection) - AI object classification enables targeted alerting on people and/or vehicles (cars, bikes, trucks) covering only small portions of the field of view - Reduction of false alarms to a minimum by filtering out non-critical motion (e.g. animals, trees, clouds, etc.) - Tampering detection in the event of a covered or moved camera - Applicable on optical and thermal cameras - MOBOTIX and ONVIF events via MxMessageSystem - Smart Data Interface and / or MOBOTIX HUB
Maximum number of recognition zones	20
Meta Data / Statistic formats	JSON
Trial License	30-day trial license pre-installed
MxMessageSystem supported	Yes
MOBOTIX Events	Yes
ONVIF Events	Yes (Generic Message event)

Scene Requirements

Minimum object height	20 px
Typ. maximum detection distance	https://community.mobotix.com/t/irisity-iris-core-ai-lens-distance-over-view/4728
Camera mounting height	5 - 25m
Maximum tilt angle	Down tilt only: no limit

Technical App Specifications

Synchronous / asynchronous app	Asynchronous
Detection accuracy	> 99% (considering scene requirements)
Processed number of frames per second	Typ. 10 fps
Detection time	~ 2 sec

NOTE!

- The detection accuracy can only be achieved if the proper "person size indicators" are set in the app configuration.

- Targets that are largely obscured by other objects or vegetation cannot be reliably detected by the app. This must be taken into account when planning and installing the cameras.

- Especially for the use of thermal imaging cameras: Correct detection can only be achieved if the temperature of the surrounding surfaces as perceived by the thermal sensor differs from that of the target object.

MOBOTIX

Beyond**Human**Vision