



Technical Specifications

MOBOTIX Irisity IRIS Core AI Analytics - Intrusion Detection

Detect human activity in armed zones

IRIS™ Intrusion detection 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.)
- Simultaneous detection on one or more image sensors
- MOBOTIX events via MxMessageSystem
- Consolidated event search via MxManagementCenter Smart Data Interface and / or MOBOTIX HUB



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Irisity IRIS Core AI Analytics - Intrusion Detection

Product Information

Product Name	Irisity IRIS Core AI Analytics - Intrusion Detection
Order Code	Mx-APP-IRIS-C-INT
Supported MOBOTIX Cameras	Mx-M73A, Mx-S74A
Minimum Camera Firmware	V7.3.0.x
MxManagementCenter Integration	<ul style="list-style-type: none">min. MxMC v2.5.3Configuration: Advanced Config license requiredResearch: Smart Data Interface license included

Product Features

App Features	<ul style="list-style-type: none">Detects the intrusion of objects of interest into user-defined detection zones / areasDesigned for reliable detection of people and vehicles covering only small portions of the field of viewReduction of false alarms to a minimum by filtering out non-critical motion (e.g. trees, clouds, etc.)Simultaneous detection on one or more image sensorsMOBOTIX events via MxMessageSystemConsolidated event search via MxManagementCenter 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 / ~6% of image height (analysis currently locked to 640 x 360 resolution)
Camera mounting height	min. 2m (considering scene requirements mostly 5 - 20m are optimal)
Maximum Vertical Angle	180°
Maximum Horizontal Angle	180°
Maximum Tilt Angle	Down tilt only: no limit

Technical App Specifications

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

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