Next Generation Perimeter Security with Reliable Alarm Management

The integrated solution of MOBOTIX Thermal and Video technology significantly reduces false alarms and will define the future of perimeter security.

MOBOTIX

Challenge
Perimeter Protection: Every Day of the Year. In any Weather.

The term perimeter protection is defined as safeguarding the surroundings of a building, facility or installation and includes the protection of the outer zone as part of a complete security concept. Depending on the protection level and structural conditions, a reliable and effective security solution is required which is able to recognize reliably and immediately potential threats around the clock, every day of the year, in any weather. In order to maximize the possible time of intervention in difficult and extensive terrain, an early detection is as important as the avoidance of false alarms in adverse weather conditions (e. g. poles moving in wind, rain, snow fall) as well as the possibility to integrate 3rd party sensors for example with MOBOTIX functional boxes. Reliable motion detection even in complete darkness without costly installation and maintenance and the differentiation of objects are just some decision criteria for a modern and intelligent perimeter solution from MOBOTIX.

MOBOTIX Security Concept

Outside Area
Prevention based on event detection

Company Site
Interaction with acoustic/visual warning, two way audio, emergency locking

Building / Premises
Intervention of security / police forces

Intelligent IP Video Solutions
Virtually No Maintenance • Unrivaled Quality

Robust outdoor cameras from MOBOTIX represent unrivaled quality - Made in Germany - and are successfully deployed worldwide. Every MOBOTIX outdoor camera is manufactured in Germany in line with the highest quality standards and is tested prior to shipment at a temperature range of -30 up to +60 °C. Since no mechanical moving parts are used (auto iris, IR cut filter, fan, etc.), **MOBOTIX outdoor and thermal cameras** achieve a mean time between failure (MTBF) of more than nine years and are considered in the market as virtually maintenance free.
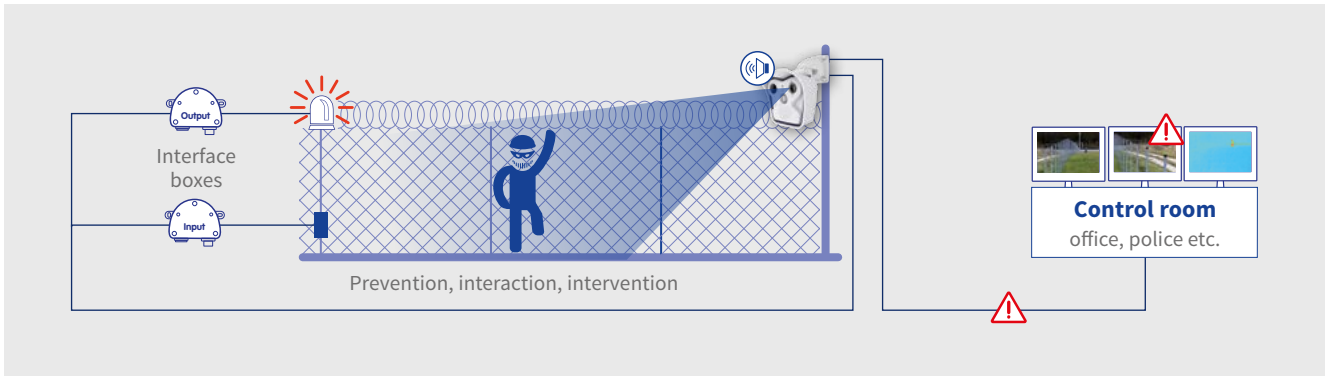
Significant Reduction of False Alarms
Detection of relevant image changes and movements is used for automatic triggering of alarms and for the independent recording of the corresponding image sequence.


Snow · Heavy rain · Shaking pole
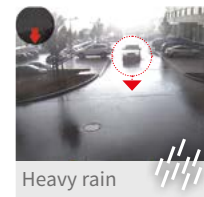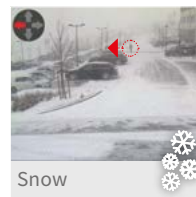
The comparison of image areas (Video Motion) is still able to provide good results in indoor situations, but may cause difficult and lengthy configurations in outdoor environments, where trees are moving in the wind or camera poles are shaken by storm.

Therefore reliable detection outdoors is considered as a major challenge and is very limited with conventional sensors, whereas **MxActivitySensor** from MOBOTIX fits perfectly into the concept of perimeter protection and can be activated with **just one mouse click**.

Cost-Efficient Video Security Solution

Prevention, interaction, intervention
Interface boxes — Output, Input
Control room — office, police etc.

Cost-Efficient Perimeter Protection

Only one MOBOTIX camera is required to protect a very large outdoor area without the need for any additional illumination and its installation and maintenance. The perfectly matched combination of thermal, video sensor and intelligent software-based motion detection like **MxActivitySensor** is well suited to cover wide perimeter areas efficiently without any secondary equipment like conventional light or infrared illumination.
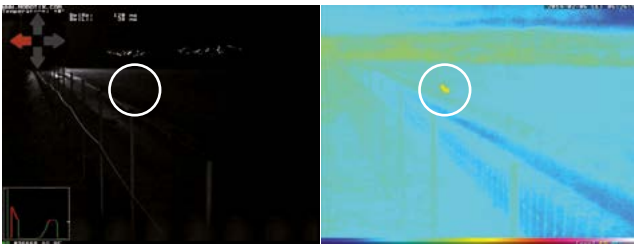
Highest Safety in Complete Darkness

MOBOTIX Dual-Thermal cameras M15 and S15 are able to detect moving objects based on their thermal radiation, thus working also in absolute darkness and over long distances.

The advantage of MOBOTIX Dual-Thermal camera with thermal and optical sensor modules is its capability to combine and process both images resulting in outstanding 6 megapixel images during the day and reliable detection of moving objects during the night.

Reliable Motion Detection and Identification

While the thermal sensor is detecting motion very reliably, the additional optical 6MP sensor is perfect for exact identification of objects. All thermal cameras from MOBOTIX are equipped with MxActivitySensor, and therefore able to provide reliable detection of moving objects day and night.

Respecting Privacy

The thermal profile generated by a thermal camera shows no details and can therefore guarantee privacy. As soon as an object moves into the relevant surveillance area, **MOBOTIX dual camera systems** can automatically switch from thermal to the optical sensor, producing high-resolution video. This unique MOBOTIX feature combines two otherwise incompatible aspects: respecting privacy and at the same time providing optimal video surveillance.

380 D15 Dual Outdoor cameras protect UNESCO World Heritage Site Pompeii

"MOBOTIX easily satisfied the requirements of the bid for tenders, and was in fact the only technology truly capable of providing an answer to the actual requirements of the Authority. A great success, most of all because of the quality of the images, which completely surpassed all the expectations of the customer."

Cesare Gonnelli, General Manager of Metoda, MOBOTIX Partner

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Proven Quality Made In Germany 🇩🇪

MOBOTIX has developed and manufactured IP video systems, video management and analysis software in Germany since 2000.

MOBOTIX stands out for its **high level of reliability**. All outdoor cameras are subjected to a stress test for temperatures between -30°C and +60°C (-22°F and +140°F). Without additional components, without heating or cooling and with no moving parts (for example auto iris), they are virtually maintenance free.
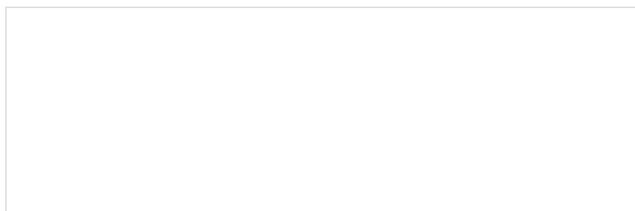
MOBOTIX delivers a **perfectly matched package**, starting with the microSD card for storage management and HD audio (microphone and speaker) with VoIP telephony through video analysis, a professional video management system and motion detection software reducing false alarms.
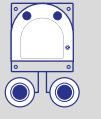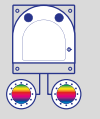
The **decentralized architecture** means that a central computer is not required and the network load is minimal. The intelligent cameras from MOBOTIX process and store image data themselves, trigger events and, in the event of remote access, manage the frame rate and resolution depending on the available bandwidth.

The **6MP Moonlight sensors** and complementary **thermal imaging technology** ensure reliable detection of moving objects, even under the most challenging light conditions and over long distances. As a result, it is possible to cover large areas with just a few cameras. Less power cabling, less IT infrastructure and fewer additional light sources are needed. MOBOTIX cameras are powered using standard PoE and do not require more than 4-5 watts.

An intelligent IP video system from MOBOTIX allows you to **reduce total costs**. The investment pays for itself after a short time and the free-of-charge software and updates ensure it is a future-proof investment.
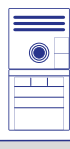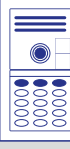
Outdoor Dual Lens

M15 AllroundDual	S15 FlexMount	D15 DualDome
Robust for extreme conditions	Flexible dual camera	Modular dual camera

Thermal

M15 Thermal	S15 DualThermal
Thermal dual	Thermal dual

Outdoor Single Lens

M25 Allround	S15M FlexMount	Q25 Hemispheric	D25 Dome
Robust for extreme conditions	Discreet, video analysis	Discreet, video analysis	Modular Fix dome

Indoor

i25 Panorama	c25 Hemispheric	p25 Allround	v25 MiniDome
180° hemispheric	Discreet, video analysis	Modular ceiling camera	Vandalism camera

Door Modules

Camera	BellRFID	Keypad

MxDisplay+

Remote Station

Door Sets

Double Frame	Triple Frame

Retailer information

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