

KONICA MINOLTA

WORKPLACE
OF THE FUTURE™



MORE THAN MEETS THE EYE

MOBOTIX

INTELLIGENT VIDEO SECURITY SOLUTIONS

YOUR SECURITY IS OUR CONCERN.

More and more businesses have been called upon to provide better security for their employees, their premises and the surrounding areas. Employees want to navigate the darkened parking lots with ease and employers want to be more aware of threats, intruders and vandals with an eye toward proactive awareness of a breach and defusing highly dangerous situations.

With smart security solutions from Konica Minolta and MOBOTIX, we can provide actionable information for you to prevent a potential disaster within your offices, schools, stores or factory facilities and their perimeters.

The built-in intelligence our video solution offers can help you analyze processes, situations and behavior to make decisions now that will impact your future.

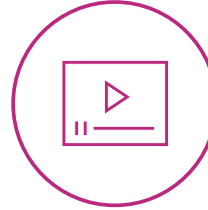
With the pioneering MOBOTIX applications for intelligent video and its proprietary analysis software, Konica Minolta can provide smart, autonomous IP (Internet-Protocol) cameras replicating the successful installations around the globe – safeguarding, for instance, airports, soccer stadiums or prisons.



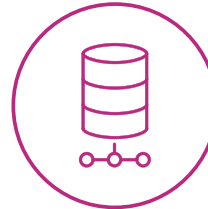
**AUTOMATIC EVENT
DETECTION**



ALARM MESSAGING



VIDEO ANALYSIS



**DIRECT NETWORK
ATTACHED STORAGE (NAS)**



REMOTE FUNCTION



**TWO-WAY AUDIO WITH
VOIP MESSAGING**



PHONE CONNECTIVITY

INTELLIGENT VIDEO SECURITY SOLUTIONS.

Countless organizations record extensive amounts of video footage. Due to lack of time, only a fraction of this material is viewed and scrutinized. As a consequence, occurrences and undesired activities remain undetected and suspicious behavior is not discovered in time so that critical incidents cannot be averted.

Our intelligent video security solutions can automatically analyze the video image and record only when a pre-defined alert occurs. Applications range from straightforward analyses like motion and audio detection all the way to the complex detection of camera manipulation, people counting or virtual fencing as well as license plate detection. IT video systems can even filter video footage and specific data from data streams and integrate this material, for instance, into cash management or access control systems. You benefit from the information with attractive advantages and new business potential.

Taking this approach, your enterprise has fast retrieval of relevant video material, more efficient staff assignments, reduced infrastructure and the opportunity to apply the information to actionable initiatives.

Areas of Use

- **Surveillance:** Continuous monitoring of your property helps protect people and material assets
- **Deterrence:** Effectively averts break-ins and vandalism before offenders can cause any damage

- **Entry Control:** Easily done with video, intercom, RFID/Keypad, free software and APP
- **Perimeter Protection:** Directional movement detection with proactive, intelligent measures to deter entry including 2-way audio, control of lighting, alarming and notifications
- **Property Protection:** Instantaneous scene awareness for remote sites like construction, critical infrastructure, and mobile applications with logic controlled by sensory inputs
- **Quality Assurance:** Autonomous inspection of equipment, fire hazards, spontaneous combustion, leaks, production and people
- **Traffic Observation:** Remote monitoring of vehicle, train, ship and plane movements with high quality imagery
- **Behavioral Analysis:** People counting, people movement tracking for the gathering of critical data along with directional movement, restricted area alerting
- **Input Logic:** Monitoring of equipment, plants, and sensors to facilitate production and the reduction of losses

PEACE OF MIND

- Protect facility from theft & vandalism
- Protect staff – in parking lots, when skeleton crew is on shift, business location is not in the safest part of town, late night closings
- Protect students – visibility in grade schools to university campuses: in classes, in hallways, and outside the buildings
- Peace of mind – augment a fenced-in area at a commercial, military, penitentiary, law or luxury store to replace/supplement guards
- Vulnerable to hostility? Protect religious locations, controversial businesses, banks, dispensaries



Mobile Video Security

To protect against crime, theft and vandalism in public areas, at events, on construction sites, etc., a mobile video security system is the right solution:

Key Features

- **Self-sufficiency:** The camera solution does not require a DSL connection or power supply, as it can optionally be operated via battery and solar power.
- **Flexible and mobile:** Camera systems are assembled and connected in a minimum of time, and can thus be used anywhere or switched between various locations.
- **Everything in view:** Comprehensive camera surveillance allows simultaneous monitoring of all access points to the grounds at any time.
- **Control center:** This facilitates the classification of alarms and helps to avoid false alarms; it can be optionally added.
- **Visual and audible alarm:** In addition to the control center being alerted, floodlights or a siren can be installed or an announcement via loudspeaker arranged, all serving as deterrence.
- **Individual adaptation:** Customized solutions to fit specific requirements can easily be realized with unique hardware and/or software solutions.

Early Fire Prevention

The early detection and notification of possible hazards, such as smoldering fires, overheated appliances and other sources of heat or fire, is essential to protect your premises. MOBOTIX thermography ensures this, including the automatic triggering of alarms.

Key Features

- **Spot metering:** Absolute temperature detection via video sensor within a range of -40°F to + 1022°F; typical accuracy of $\pm 10^\circ\text{F}$.
- **Thermal radiometry:** Automatic alarm upon exceedance or shortfall of up to 20 defined temperature limits or ranges.
- **Thermal overlay:** Superimposing of the visual sensor image with "Hotspots" for easier identification of dangerous sources of heat or fire.

MARKET APPLICATIONS

- **Education** for playground bullying to campus intruders; property protection
- **Healthcare** for facility and premise safety
- **Commercial Operations** for protection of machinery & inventory; freight transportation security
- **Utilities:** Power | Telecom with temperature-critical processes; outdoor turbines, towers, transformers
- **Government** for Theft , Espionage, Vandalism protection; wild fires detection
- **Religious Organizations** for hostile breaches



Retail Analytics

The video security and analysis of their premises offers various advantages to superstores, car dealerships and other retailers. Counting visitor numbers, analyzing visitors' movements in specific areas of the premises and understanding these activities can help increase turnover and facilitate targeted conversions, help prevent employee fraud and shrink, plus have visibility into any odd behavior or breaches of your store or warehouse.

Key Features

- **Analysis of customer behavior:** Which in-store areas are most frequented by customers? Where do visitors spend most of their time? Heat maps show the most frequented hotspots as colorings in the camera image.
- **Optimized marketing:** What customer impact do advertising campaigns have? How effective is display advertising? Which other factors influence visitor numbers – the weather, day of the week, special offers?
- **Improved personnel planning:** What are the peak times in stores? This essential information can help to optimize staff assignment and increase overall efficiency.
- **Enhanced shopping experience:** How can the store layout be adapted to customer expectations and thus increase customer satisfaction?
- **Counting visitors:** How many customers visited the store last week? Which is the most frequented entrance, and which area of the store was visited the most?
- **Live view:** Usage of smartphones or tablets to see what is happening in various branches at any time – there's no need to be on site.



License Plate Recognition

License Plate Recognition increases the speed of vehicular access and departure, can open barriers automatically and relieve security staff of repetitive tasks. This facilitates the organization of the production, loading and/or parking processes, can shorten the dwell times of haulers, carriers and their drivers, and allows limiting access only to registered vehicles.

Key Features

- **Recording:** Locally or on a central file server; with individual filters for the recording of incidents.
- **Statistics:** Graphic visualization of the timeline of incidents in bar charts; these can be edited by applying various filters and graphic adjustments.
- **Counters:** Counting and listing of vehicles present at any time, with print option.
- **White list:** Access rights can be administrated in a list in CSV format, relating to individual stations, and can include time limits.
- **Blacklist:** Administration of a list of unauthorized vehicles; triggering of visual and acoustic alarms; recording of an alarm list including images; temporary blocking of exits.
- **Activities:** The range of activities can include the opening of barriers; visual and acoustic alarms; e-mail notifications; posting of notifications in a display.

SMART SECURITY TECHNOLOGY FROM KONICA MINOLTA & MOBOTIX.

The collaboration of Konica Minolta and MOBOTIX means that you benefit from our creative innovations and technologically advanced security systems. MOBOTIX is the pioneer of stand-alone intelligent IP video systems and has created the first IP cameras that do not require any central PC or software. This decentralized in-camera intelligence enables you to build cost-effective security systems that facilitate automatic video recording. These are the main highlights of the MOBOTIX cameras:

6 Mega Pixel Moonlight Technology for Low Light

The new generation of MOBOTIX cameras features 6 mega pixel Moonlight Technology, which provides outstanding image processing inside the camera, enabling the capturing of fast-moving objects in low light conditions such as moonlight.

No Blind Spots With 360° Hemispheric View

MOBOTIX invented the 360° hemispheric camera technology that allows you to secure an entire room without blind spots and virtual zoom. Onboard hemispheric processing helps increase the image quality and reduces network bandwidth.

Avoid False Alarms With Innovative Motion Detection

With comprehensive, built-in sensor technologies, MOBOTIX cameras are able to define precise events with the right notification activities. Reliably detecting motion during the most extreme conditions, the MxActivity sensor reduces false alarms by up to 90%.

Ensure Privacy and Data Security

Every MOBOTIX system includes comprehensive password security with supervisory protection for users and cameras. Layered with a fully encrypted two-wire MxBus connectivity system and power backup, MOBOTIX installations offer unrivalled system privacy and data security.

Beyond that, MOBOTIX offers numerous other advantages, such as:

- Efficient, optimized security video codec MxPEG
- Maintenance-free thanks to fiberglass-reinforced outer housing and no moving parts
- Green IP video – the MOBOTIX low power design saves energy





INNOVATIONS THAT SET MOBOTIX APART AND PROVIDE **ATTRACTIVE BENEFITS.**

Intelligent Dual-Camera Concept

- Dual cameras with two sensors and digital switching between day and night
- The most advanced security camera solution combining thermal, optical and MxActivitySensor
- Motion detection in complete darkness at up to a quarter of a mile in distance
- Privacy zones supported

Simultaneous Recording, Event Search & Live Viewing

- Each camera can handle live viewing for multiple users, recording and event search from anywhere in the world via a network connection
- Full image recording independent from the live view

Decentralized System With No Storage Limit

- Every camera is a complete security system in itself, with all features integrated
- Unlimited scalability allows adding cameras and storage at any time
- Lowest bandwidth and storage: each camera manages its own terabyte-sized storage device (NAS) via the network

Weatherproof With Sun and Backlight Compensation

- Cameras can be installed anywhere thanks to their weatherproof, robust and virtually maintenance-free design
- Fiberglass-reinforced composite housing with built-in cable protection
- High-quality CMOS sensor guarantees optimum exposure control and longest product lifetime

Lowest energy consumption

- Low-power design saves up to 80% of energy
- Each camera uses approx. 4 – 5 Watts with no heating/cooling required

Bandwidth Management for Optimized Remote Access

- Camera records high resolution without any loss of details
- Can manage frame rate and image size depending on the available bandwidth

Professional Video Management and Analytics

- Highly intuitive and easy to learn
- Analytics inside the camera counts objects and can monitor behavioral events such as turns, exceeding speed, and more
- Perfect tool to combine security and marketing needs

PARTNERSHIP

Konica Minolta can help give shape to your ideas and partner with you to achieve your corporate objectives. Contact us to realize opportunities in:

INFORMATION MANAGEMENT

Enterprise Content Management (ECM)
Document Management
Automated Workflow Solutions
Business Process Automation
Security and Compliance
Mobility
eDiscovery Services

IT SERVICES

Application Services
Cloud Services
IT Security
Managed IT Services
IT Consulting & Projects

TECHNOLOGY

Office Multifunction Business Solutions
Commercial and Production Printers
3D Printers
Wide Format Printers
Laptops, Desktops and Computer Hardware
Servers and Networking Equipment
Managed Print Services (MPS)
Managed Enterprise Services

For complete information on Konica Minolta products and solutions, please visit: reshapework.com

You can contact us at MOBOTIX@kmb.konicaminolta.us

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Item #: MobotixBro17
12/17-1