HEALTHCARE
Video at your service

BeyondHumanVision

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REMOTE MONITORING TECHNOLOGIES

CONTENT

Pespect and Relief

Supporting clinics and care for the elderly and disabled

Dignity, respect, and responsibility are the cornerstones of healthcare. Whether it's a hospital, nursing home, or retirement home, the well-being and safety of patients, residents, and relatives is the highest priority. In addition being able to improve the conditions for doctors, nurses, and carers to reduce strain on staff is vital. Video technology can not only contribute to improving the overall operational needs but also increase efficiency.

Respect privacy

Discretion is particularly important in health and care. This is why the discreet MOBOTIX solutions include software with privacy functions that only allow you to look into the rooms during an actual event. Access authorizations can be controlled sensitively and precisely. The atmosphere for patients or residents should be unobtrusive so that no one feels uncomfortable.

MOBOTIX Hemispheric camera c26

A discrete hemispheric video system with a 360 view can monitor an entire room without gaps, discreetly. With intelligent video analysis tools for behavior detection and object and person statistics, response time can reduce.

Support in All Areas

MOBOTIX technology is used where it matters

Basic Safety

- Access Control
- Fire & Smoke Detection
- Burglary & Perimeter Protection
- Theft & Vandalism

Relieve Personnel

- Reduce Patient Rounds
- Monitor Multiple Patients in Parallel
- Prevent Alarm Fatigue
- Video Identification Instead of Requiring a Key

Caring for People

- Discreet Round-the-Clock Security
- React to People in Need
- Realtime Communication
- Maintain Privacy and discretion

Note: *The applications mentioned here using the example of a hospital can also be seamless transferred to other care areas.*
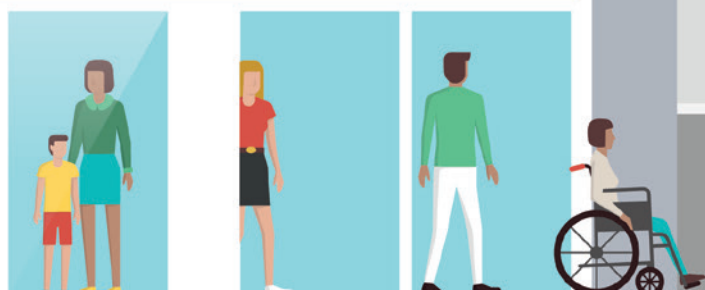
PITAL

Effective Processes
- Access Control
- Car Park Management
- Queue Management
- Video Training and Operations Support

Safety Protection
- Detect Defined Temperature Ranges
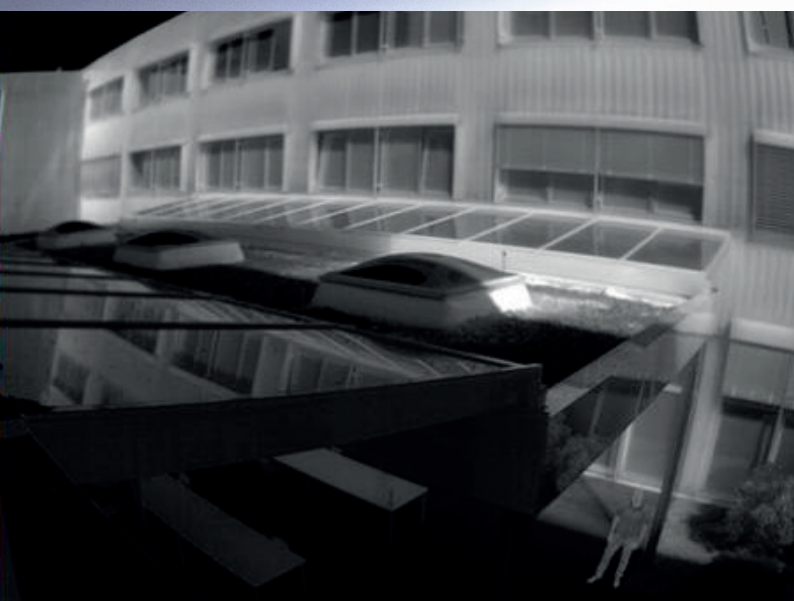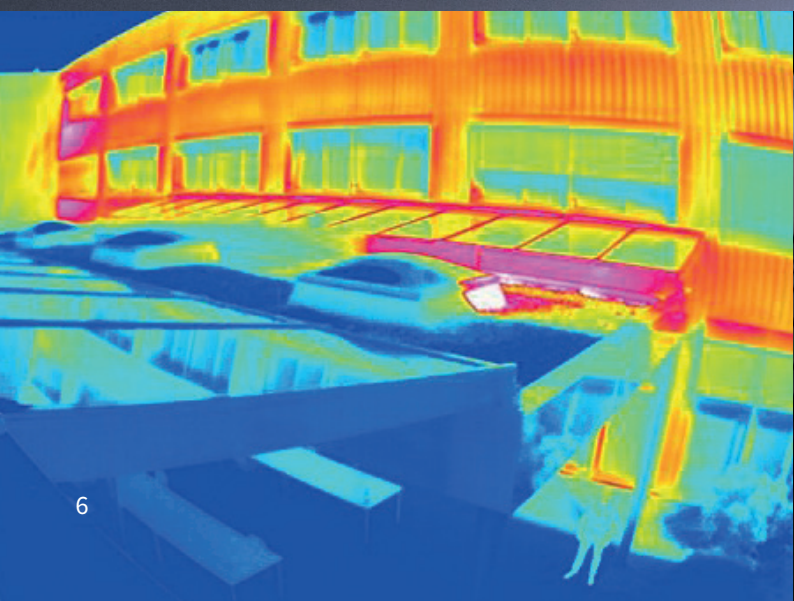- Mask Detection
- Overcrowding
- Social Distancing

Discover more:

H

MOBOTIX

MOBOTIX S74 PT Mount Thermal & PT Mount
Up to four movable high-end modules in one camera

Basic Safety

Stay safe - as personnel or as a patient

Hospital patients and nursing homes residents need rest and recovery. Giving tools to the employees that look after them, to be able to monitor diligently and act accordingly without unnecessary intrustion or interruption increases their ability to perform.

Fire and smoke are among such risks. Reliable early warning systems can save lives. Access to sensitive areas must also be protected to restrict entry into sterile rooms, operating rooms, or medicine stock rooms. Quick intervention or documentation in case of incidents is always required be it a simply case of vandalism, theft or something more severe in an operating theatre.

- Fire prevention and smoke detection

- Secure property, facilities & equipment (burglary, theft, vandalism)

- Access control to sensitive areas (e.g., surgery, sterile zones, medication, data)

- Secure areas

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Relieve Personnel

„Digital care" of patients/residents

Nursing staff often work round the clock. With adequate video support, monitoring can be carried out digitally, saving time and improving the standard of care for a more personal touch.

Using MOBOTIX video technology, selected areas can be monitored without employees having to be on-site at all times. For example, falls or „Wrong Movement" such as falling out of bed, lost in the wrong area can be detected. Effective call systems and the avoidance of false alarms allow staff to not only improve their response times but also give a more discreet protection over their charges.

- Work efficiently with limited personnel resources

- Multitasking – looking after many people at the same time

- Documentation and help with OP's

- Prevent false alarms

- Increase direct personal care

MOBOTIX c26 Indoor 360°
Discreet. Easy Mounting.

MOBOTIX Q26 Hemispheric
All around subtle. All around in the picture.

Caring for People

Discreet video support for around-the-clock security

Nobody likes to feel observed. Therefore, video surveillance systems in health care facilities must be discreet and unobtrusive. Systems that only detect and alarm at events reduce observation to a minimum. At the same time, patients and residents can be sure that support will be provided quickly in a help situation, as a reliable alarm is triggered.

Especially at night, when there is less staff in the building, video surveillance can quickly identify helpless persons. This contributes to more peace and undisturbed sleep. Patients and residents feel safe and secure and, at the same time, maintain a certain degree of independence. The inclusion of audio systems enables quick and easy communication.

- Detecting falls and people in need quickly
- Protect privacy
- Maintain freedom of movement
- Promoting rest and recovery (e.g., quieter nights)

Integrated analysis functions and MOBOTIX 7 apps offer further possibilities:

AI-Spill
AI-Spill detects when a person falls and stays on the ground.

AI-Lost
AI-Lost detects left, forgotten and/or removed objects.

M16 AllroundDual
Dual. Modular. Unverwechselbar.

MOBOTIX S74
Discreet. Flexible. Brilliant.

Effective Processes

For smooth processes with high profitability

Video technology can improve and control processes. This saves time and ensures important tasks are completed. For example, video technology can support professional parking management and, with license plate recognition, only authorized vehicles to have access to defined areas. In this way, ambulance entrances can be kept clear, for example. A video system can also help with the billing of parking fees.

Waiting areas can also be monitored effectively and improve queues and waiting times. Internal processes can also be mapped: High-resolution camera systems, e.g., in operating rooms, are ideal for training purposes. MOBOTIX systems can be perfectly integrated, e.g., as audio-video SIP in your laboratory or information systems (LIS) and electronic patient records (EMR).

- Parking and Access Management

- Monitor and control waiting times

- Digital training and documentation

- ROI – Return on Investment – Low maintenance reliable and energy saving

Best return on investment (ROI) relieves the strain on budgets

Many health and care facilities have restricted budgets. With a „Mean Time Between Failure (MTBF)" of more than 9 years, which is above the industry average, the follow-up, resource need and maintenance costs of a MOBOTIX system are some of the lowest available.

MOBOTIX 7 apps for process optimization:

FF-Group License Plate Recognition
The app recognizes one- and two-line vehicle license plates, even at high vehicle speeds.

Vaxtor License Plate Recognition
With the app, vehicle license plates from all over the world can be recognized and compared with „blocking/permission lists", e.g. for access control.

AI-Overaccupancy
The application can identify areas that are overcrowded, e.g. with too many people or vehicles, based on the occupied portion in relation to the total area (such as queuing).

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BE THERE FROM ANYWHERE

Safety Protection

Duty of care for high-risk groups

The health care and nursing facilities are home to numerous people from low to high-risk groups not to mention the first line of responders who look after them such as doctors and nurses. With the MOBOTIX 7 platform and its versatile apps, we offer numerous solutions for safety & protection.

Indenitfying high risk people when entering the facility and need to have further examination whether through temperature ranges or facial recognition. Overcrowding can be avoided and social distancing can be supported. MOBOTIX video systems can detect when masks are not worn and automatically trigger alarms or announcements.

- Detecting temperature ranges

- Detect masks

- Alarm overcrowding

- Support Social Distancing

IMPORTANT: The multifunctional MOBOTIX video systems retain their added value beyond the the current situation. While many other systems operate in a very specific way, MOBOTIX technology can be upgraded, modified or scaled at any time for new requirements and continue to offer added value.

Integrated analysis functions and MOBOTIX 7 apps offer numerous possibilities:

MOBOTIX Analytics AI
Detect objects, count persons/objects (also cumulated), detect movement in restricted areas, and create heat maps.

AI-Face Detect Deep
The application counts people on the basis of their faces and also detects the wearing/non-wearing of masks.

AI-People
The app counts people who cross a virtual intersection line, e.g., in the area of a door, in a certain direction.
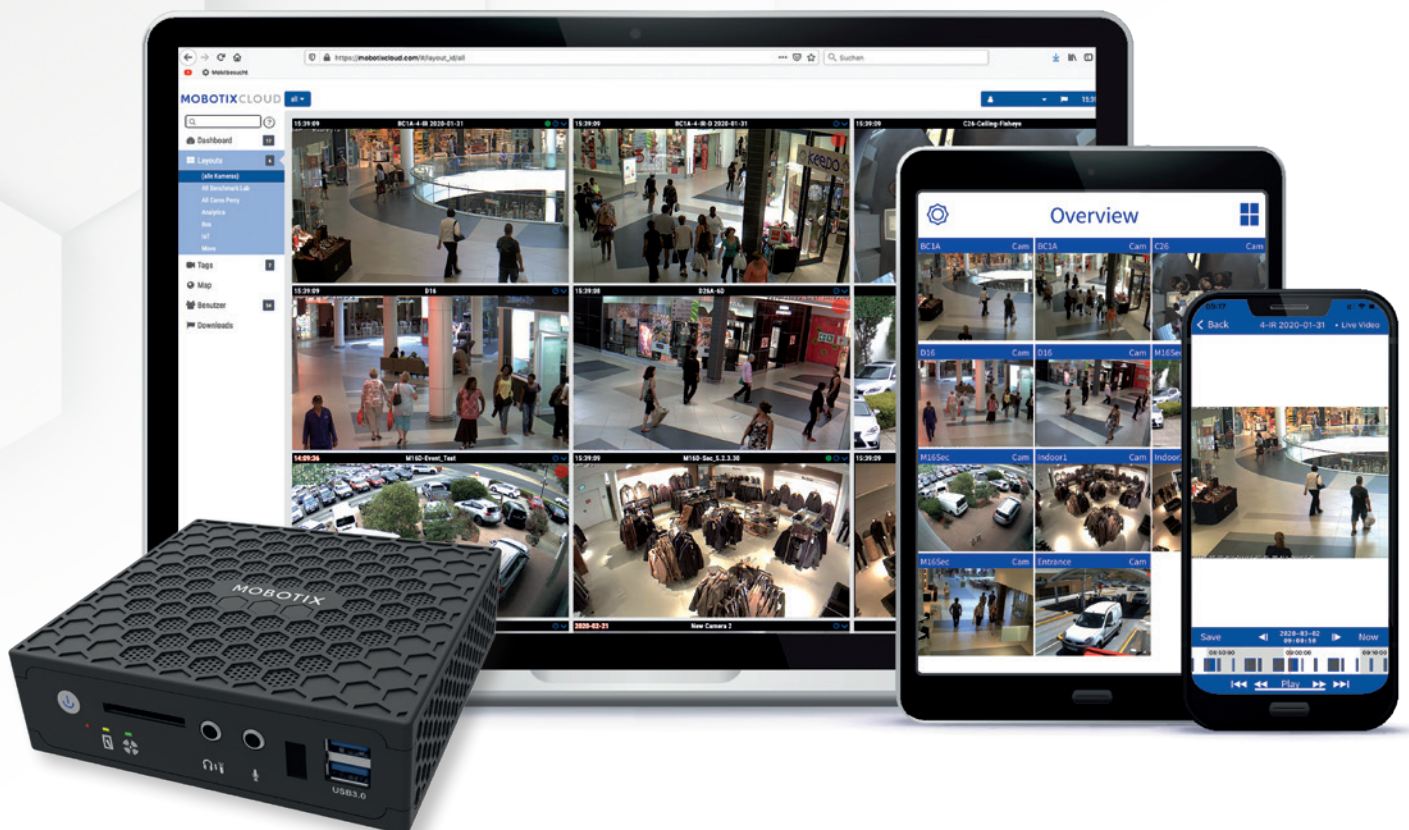
AI-Crowd Deep
The app estimates and monitors the number of people in an area and detects social distancing.

AI-Occupancy
The application defines the exact occupancy rate (in percent) of one or more areas.

MOBOTIX CLOUD – Overview From Anywhere

Flexible, scalable and discrete

Secure access to your systems is also possible via the MOBOTIX CLOUD at any time and from anywhere. For example, external security services or facility management can access security cameras. Doctors or nursing staff can also get a picture of certain patients from the outside. Through the assignment of individual user rights, only the administrator can explicitly unlock individual cameras.

The respective authorized users will then only have local access to the cameras. Directly from the desired device, like a smartphone, tablet, or PC. This makes the entire system mobile and flexible. The CLOUD is freely scalable and can be constantly adapted to the needs.

Whether on-site or in the cloud: **Cybersecurity** comes first!

Any private information such as illness , circumstances or just simple personal data must be protected and restricted. MOBOTIX solutions have certifications for cybersecurity and the MOBOTIX Cactus Concept sets standards in video surveillance that you can rely on.

Discover the MOBOTIX Cactus Concept
www.mobotix.com/en/cactus-concept-cyber-security

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PREMIUM TECHNOLOGY Partner

MOBOTIX
TECHNOLOGY Partner

MOBOTIX
SOLUTION Partner

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Together!

MOBOTIX partners develop specific unique solutions

We continuously follow new developments and innovations in the industry. This is why cooperation with experienced MOBOTIX partners is so important and enables us to offer the best market solutions for almost any requirement with our camera technology.

Example: Safe sleep - discreet view at night

An IR ring around a very discrete MOBOTIX camera generates 0.6 LUX in a room that would otherwise be pitch black. You can use the partner solution for „out-of-bed" detection or detect if a person stays in the bathroom too long. It also detects noises, for example, when someone calls for help. Thanks to the virtual visit, patients do not need to be disturbed at night. The MOBOTIX camera provides an alarm and an image that allows you to check the situation very quickly.

Example: Alarm triggering - Direct help when needed

In hospitals, intelligent sensor technology is used to monitor isolated patients from outside the room. Nursing homes use passive alarms with intelligent sensor technology. And care for the disabled can detect epileptic seizures at night, for example. The cameras automatically start a video recording and send an alarm message with the nursing staff's camera image via messenger smart app.

Example: Parking management - recognition of license plates in the access road

With the new flexible and discreet MOBOTIX S74 video system and license plate recognition as an intelligent camera app, access to the premises can be effectively controlled. The system can support parallel entry and exit on several lanes with a single camera, thus saving budgets.

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Proven in Practice

Worldwide Heatlhcare

BG Accident Clinic Ludwigshafen (D)

The BG Clinic Ludwigshafen with 500 plan beds is an outstanding center of competence in southwest Germany for accident, hand, plastic, and burn surgery. As an orgnaisation for teaching and research, it cooperates with the University of Heidelberg.

The BG Clinic chose MOBOTIX cameras, which work with a solution of technology partner Tec Trade. The technology determines the normal temperature range based on several conditions. It reports any deviations from this range to the user. In this way, anomalies in body temperature are reliably detected regardless of wind and other environmental influences.

To protect patients, staff, and visitors, visitor entrances are monitored. In such sensitive areas as hospitals, people with abnormal body temperature - a sign of illness - must be detected quickly. Rapid isolation for further examination is mandatory.

Savelberg Nursing Center (NL)

The Savelberg Care Center in Gouda focuses on helping the elderly and dementia patients to help themselves. The facility uses MOBOTIX cameras with the Conview Care solution from Leertouwer. The discreet, easily manageable video system includes video surveillance, audio, and motion detection.

The discrete, high-resolution Q25 MOBOTIX cameras in about 40 apartments function as intelligent video sensors. The employees' work is made considerably easier. As soon as a resident leaves their living area or bed, the employees automatically receive a message. They no longer have to make unnecessary night-time rounds that disturb the residents' sleep and can still intervene immediately if there really is a problem. The discreet system, which enables rapid intervention without constant personal monitoring, is fully beneficial to the residents and staff's well-being.
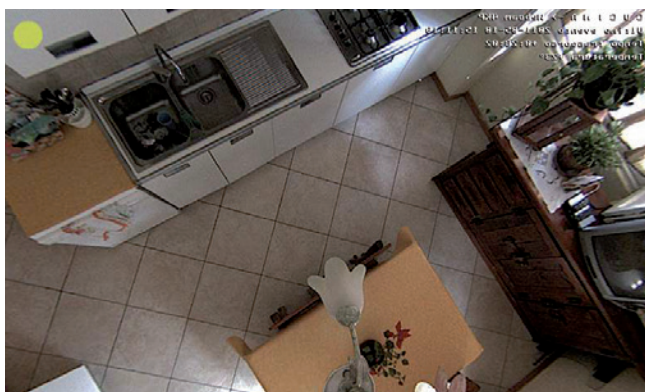

- Mobile system for pandemic protection of Patients, visitors and employees

- Reliable monitoring of dementia patients with maximum independence

Social Project Bergamo (I)

The integration of MOBOTIX technology into home automation has enabled a 30-year-old woman in Bergamo to live as independently as possible. The 26-year-old woman suffered paraplegia of the legs and arms as a result of an accident at work. With the help of an Apple iPod Touch on her wrist, MOBOTIX technology, and the LivingTECH App, the patient can perform over 50 functions independently in the house.

Five 360-degree MOBOTIX cameras are installed in every room of the house. The patient, family, and doctors can communicate via an IP video door station. The video system guarantees safety for the woman when she is alone at home. Around the clock, she can talk directly to people inside or outside the house or make phone calls while still maintaining her independence. The relatives are thus noticeably relieved. This is a real benefit for both parties and improves the quality of life.

VIDANT Beaufort Hospital (USA)

The Vidant Beaufort Hospital is a hospital with 142 beds in Washington, North Carolina. The hospital has a versatile setup. Among other things, it has a renowned radiology department and individual nursing in the maternity ward.

While the hospital is well-positioned in the diagnostic area, safety standards have not been able to keep up for a long time. In 2008, security guards were still patrolling the extensive grounds to detect and prevent incidents.

To meet the liability, the hospital was equipped with MOBOTIX video technology. MOBOTIX Q24 cameras with 360-degree panoramic view for the interior and MOBOTIX DualNight M12 cameras, for high-resolution images even at night were the solution. With the decentralized system, bandwidth is only used when events occur. Thanks to the hemispheric technology, relatively few cameras were needed on-site to cover a large area. This is easy on the budget, as is the durability of the cameras.

- Gaining quality of life for those in need of care and relatives

- Hemispherical cameras save the budget and relieve the security staff

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- Practical examples of MOBOTIX solutions

Intelligent Video Security Solutions

MOBOTIX offers a comprehensive range of solutions for all aspects of video-based security systems. We develop high-quality, decentralized, energy-efficient systems that mean our customers save money on every MOBOTIX system installed.

Our motto Beyond**HumanVision** is also our mission: MOBOTIX is fully committed to making itself the most reliable company it can be, one that protects people and property by using intelligent, cyber-secure video technology to go beyond human vision.

Best Image Quality - Made in Germany

MOBOTIX video systems consist of powerful, high-quality components. Made in Germany - assembled and thoroughly tested at our location in Langmeil. Even under difficult lighting conditions our video systems deliver excellent image quality for all applications in the health and care sector. You can rely on us!

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