



KONICA MINOLTA

MOBOTIX

MOBOTIX SECURITY VIDEO SYSTEMS



ENHANCE SCHOOL AND CAMPUS SECURITY COST-EFFICIENTLY.

Educational facilities across the globe have experienced the benefits of the latest IP video surveillance technology from MOBOTIX. These IP-based security solutions are based on Crime Prevention Through Environmental Design (CPTED) principles and deliver significant cost savings with installation as well as long-term operation and maintenance.



Among the benefits and cost-savings for student safety in schools and on campus:

- Greater surveillance coverage with 40-50% less cameras
- Local storage on cameras avoids expensive upgrades of your IT infrastructure
- Know who is visiting your school at all times
- Deter strangers from entering school premises with the presence of cameras
- Allows parents, students, teachers and faculty to feel safe
- Uses less expensive Network Attached Storage (NAS) storage, rather than costly high speed servers and storages
- Video can be transferred to central storage after hours, yielding less load on the network
- Hardware and software are combined to provide an active deterrent and actionable high resolution images
- Two-way audio to provide input for event-logic and audio warnings/announcements
- No recurring license cost
- No Charge for Video Management System (VMS)
- No Charge for software upgrades

ROBUST AND RELIABLE CAMERAS AND VMS SOFTWARE.



MOBOTIX IP camera products are utilized in high-security areas like campus parking lots, entrances and stadiums because MOBOTIX systems have no restrictions in terms of number of users or cameras. Professional VMS and video analysis are both part of the system, offered at no additional charge, including license

fees. In addition, no charge software updates are available via download and transform every MOBOTIX product into a future proof investment with one of the highest returns on investment. All MOBOTIX cameras use 6MP "Moonlight Sensor Technology", which is very light sensitive and produces brilliant videos even in difficult low-light conditions without any motion blur.

Enjoy intuitive control with The MxManagementCenter

The simple gesture and drag & drop user concept make it easy and intuitive to use. The MxManagementCenter (MxMC) has no system limits and can handle hundreds of cameras and users. It offers integration on third-party cameras using the ONVIF protocol, and can manage multiple monitors and video walls. Additional benefits include ultra-fast playback, post video search, and innovative configuration module that reduces the setup time for large camera systems by a factor of ten or more.



THE PERFECT SOLUTION FOR REMOTE ACCESS.

MOBOTIX IP cameras are optimized for remote applications and cloud-based technology, reducing the bandwidth of the video by scaling the size and the frame rate. Image details are still available thanks to the onboard virtual Pan-Tilt-Zoom (PTZ) functionality. So the cameras store high-resolution video onboard and deliver on demand low-bandwidth live images and also low-bandwidth playback. The live channel and the recorded video are highly secured because the video encryption is already done inside the camera.

Additionally MOBOTIX cameras can manage an event-driven recorded video ring buffer via network or internet.



DECENTRALIZED ARCHITECTURE INCREASES RELIABILITY AND REDUCES SYSTEM COSTS.



MXPEG – THE OPTIMIZED VIDEO CODEC FOR SECURITY

MOBOTIX uses MxPEG, a video codec especially developed for security applications which ensures the validation of the recorded images. MxPEG is open, freely available and integrated in all main third-party professional VMS on the market. It offers the shortest reaction time between scene and screen and supports video resolution of 6 megapixels and higher.

Experts agree that MOBOTIX offers the best “Edge” Based Video Surveillance camera on the market today.

Benefits of costly high speed servers and storage include:

Video is stored inside the camera at the edge of the network. Recording at the edge frees up network bandwidth and PC processing power, allowing users to view and manage video feeds and store applicable images for later use or transfer to the network when necessary. This reduces the workload of the VMS workstation and network dramatically. Network fluctuations or longer interruptions are compensated for by an onboard video buffer (SD card)

Minimize the amount of storage necessary on SD cards by using event or movement-based and/or audio-based recording properties, recording to local storage only if an event parameter is triggered.

Video can be offloaded to low cost NAS after hours resulting in near zero network load for video data during the school day, freeing up the network to support student learning.

MOBOTIX video systems are very reliable and need no Network Video Recorders (NVRs) or high performance storage. This reduces the overall system costs as well as power consumption. Less than 5w per camera in most cases. In conjunction with not needing servers and high performance storage, this can save tens of thousands of dollars over the life of the system.

Reduce false alarms and save storage with MxActivitySensor.

An innovative onboard video sensor technology called “MxActivitySensor” detects moving objects even in the worst weather conditions like heavy rain and snow fall. Scene irritations like shaking trees and swaying camera poles caused by heavy wind are compensated for as well. This self-configuring sensor reduces false alarms dramatically and saves configuration and maintenance cost as well as greatly reducing the amount of Network Attached Storage required for longer term retention of camera data.

INDOOR CAMERAS. COMPETITIVE WITHOUT COMPROMISE.

MOBOTIX indoor cameras are designed to be very competitive and at the same time support all MOBOTIX features and functionalities, including 6MP Moonlight technology. Due to short distances in indoor environments this camera line uses hemispheric technology to achieve 360° view without any blind spots. However, additional lens options are available for complete room coverage or directed views. All indoor cameras are available with optional audio package including microphone and loudspeaker for two-way-audio. Also included is the MOBOTIX Video Analysis software for objects or people statistics, heat map reporting and behavioral events without any extra costs, which is perfect for indoor locations at schools and universities such as libraries, corridors, student lounges and stairwells. An optional expansion board can be plugged on the backside of the camera to realize additional I/O and alarm functions.

See More with Less.

Let one camera do the work of four with the 360° hemispheric camera technology. Compared to other brands, hemispheric processing is done onboard to increase image quality and to reduce network bandwidth. The 180° panoramic view with onboard image correction delivers realistic impressions of the scene with sharp details at the lowest possible bandwidth.



Remote Access



Less Infrastructure



Two-way Audio Option



**Hemispheric 6MP Moonlight camera provides sharp details
in low-light conditions** (ca. 1.5 lux)



**Four virtual PTZ cameras out of a single 360°
hemispheric camera**



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