DEVELOPER AND MANUFACTURER OF END-TO-END VIDEO SURVEILLANCE AND MONITORING SOLUTIONS
Logipix Technical Development Ltd. is a privately held company established in 1996 in Budapest, Hungary. Today, Logipix is an international company recognized as one of the most innovative end-to-end security solution developers and manufacturers in the world. The primary mission of the company is to provide high-end video surveillance solutions specially designed to meet the demands of specialized application areas.
• 12x revenue growth over the past 5 years
• Private ownership
• The company employs 50+ engineers
• 100% of development and manufacturing done in Hungary
THE LOGIPIX SOLUTIONS

TRAFFIC

SAFE AND SMART CITY

CRITICAL INFRASTRUCTURE

AIRPORT

BORDER SURVEILLANCE

STADIUM
Multi-purpose system for several airport departments
Providing high-resolution video surveillance in all airport areas
Designed to help the logistics on the ground at the airside
Intelligent decision making support
VCA-based object tracking

Interfacing with A-SMGCS, ADS-B, MLAT
GPS-based object labeling
200 MP Panorama cameras
6 MP PTZ cameras for fine details

Learn more about the Logipix Airport Video Monitoring Solution:
BORDER SURVEILLANCE SOLUTION

• Virtual wall built from thousands of megapixels
• Advanced Video Content Analysis technology and intelligent decision making support
• Automatic human detection and tracking in a distance of up to 3 kilometers
• Accurate operation in complete darkness as well

• Displayed GPS-coordinates of the detected objects
• Stitched panoramic images up to 1 Gigapixel resolution
• 6 MP PTZ, Long Range 5 km PTZ and integrated 3rd-party Thermal PTZ cameras
• Effortless maintenance procedures

Learn more about the Logipix Border Surveillance Solution:
SAFE AND SMART CITY SOLUTION

• Multi-purpose system for video surveillance and traffic violation management tasks
• Cover entire metropolises with high-resolution images
• VCA-based automatic traffic violation detection
• Recognizable faces under all lighting conditions

• 200 MP panoramic images for monitoring large-scale areas from a single viewpoint
• High-end 20 MP cameras for capturing traffic violations and observing streets
• Full HD and 6 MP PTZ cameras
• Flexible system structure that quickly adapts to future city developments

Learn more about the Logipix Safe and Smart City Solution:
• Video Content Analysis to automatically detect all the common types of traffic violations
• Image-based traffic counting
• Interfacing with ANPR, vehicle database and multiple customer managed lists
• End-to-end violation management process
• Outdoor NVR that operates on-site

• High-end 20 MP cameras for covering 3 lanes at the same time and capturing traffic violations
• Synchronized IR Laser Flash with multiple power illumination level to capture both reflective and non-reflective license plates at night
• Fast and efficient evaluation process with the easy-to-use Violation Management Client

• Protecting power plants, oil refineries, industrial harbors and other critical infrastructures
• Advanced VCA technology for automatic detection methods
• Multi-level intrusion detection
• Integration with PID systems

• Accurate alarm verification, minimized false alarm rate
• 200 MP Panorama cameras to cover large-scale areas
• Integrated PTZ cameras to get fine details of all suspicious situation
• Less manpower is required to efficiently monitor the whole area
• Covering the whole stadium from the perimeter areas and entry gates to the seating area
• Face recognition at every seat in the stadium during the whole event
• Virtual Panorama with hundreds of megapixels resolution
• Flexible system structure with individually installed cameras

• Integrated PTZ cameras to get more visual information
• Interactive PTZ control on the panoramic images
• PTZ bookmarks that makes it possible to quickly navigate the PTZs to sectors that are more prone to outbreaks of violence.
• Storage effective event management
The 200 MP Panorama camera

- 1" Size, CMOS image sensors
- 200 MP resolution
- Geometrically transformed and stitched panoramic images with white balance correction
- Synchronized imaging
- 20 fps at full resolution
- JPEG2000 image compression
- 10 Gbps SFP+ socket
- All-metal construction of the IP66 rated camera housing
- Quality glass windows with glass heating
- Automatic self-cleaning system
- Active and passive cooling systems

Logipix ONE 20 MP camera

- 1" Size, CMOS image sensor
- 20 MP resolution
- 20 fps at full resolution
- JPEG2000 image compression
- Images of multiple cameras can be stitched to create a single virtual panoramic image
- Triple optical filters for different operation modes
- Automatic Back Focus
- 1 Gbit LPoE Ethernet port

Logipix 6 MP PTZ

- 1" Size, CMOS image sensor
- 6 MP resolution
- 25 fps at full resolution
- JPEG2000 image compression
- 30x optical zoom
- IR Laser Illuminator
- 3D privacy mask
- Automatic target tracking (when works together with Logipix Panorama and VCA)
- IP66 rated outdoor enclosure
- Self-cleaning system

Logipix Long Range 5km PTZ

- 1" Size, CMOS image sensor
- Full HD resolution
- 25 fps at full resolution
- JPEG2000 image compression
- Long range lens
- 36x optical zoom
- IR Laser Illuminator
- 3D privacy mask
- Automatic target tracking (when works together with Logipix Panorama and VCA)
- IP66 rated outdoor enclosure
- Wiper at the lens glass
Logipix Network Video Recorder
3rd generation

- Built-in Video Content Analysis
- 1 port 10 Gbit SFP+ socket for Logipix ONE cameras
- 1 port 1 Gbit copper for remote monitoring
- 7 Gbit/sec recording speed
- Up to 640 TB storage capacity (with 3 Logipix Storage Extender units)
- Intelligent image transmission
- VRMTM Fail-safe file system
- Built-in RAID function
- Built-in UPS

Logipix Multi-lane 3D Radar

- Monopulse, multi-lane 3D radar
- Synchronized operation with Logipix ONE cameras
- Speed measurement up to 310 km/h
- 0.5% speed accuracy
- IP67 rated enclosure

Logipix Outdoor Network Video Recorder

- Built-in Video Content Analysis
- Automatic traffic violation detection
- Semi-passive and active cooling systems
- IP66 box-mount, outdoor enclosure
- Designed to work reliably in extreme conditions
- Intelligent image transmission
- VRMTM Fail-safe file system
- Built-in RAID function
- Built-in UPS

Logipix Multi-lane 3D Radar

- Monopulse, multi-lane 3D radar
- Synchronized operation with Logipix ONE cameras
- Speed measurement up to 310 km/h
- 0.5% speed accuracy
- IP67 rated enclosure

Logipix IR Laser Flash 500 W

- Synchronized operation with Logipix ONE cameras
- 500 W output power
- Multiple power illumination mode to capture both reflective and non-reflective license plates
- 808 nm wavelength
- Varifocal illumination
- IP65 rated enclosure
- Automatic self-cleaning system
Control Center is the Video Management Software for most Logipix solutions. Large panoramic images produced by our high-megapixel cameras are easy to handle with Control Center. Functions such as archive search and recording playback help law enforcement and security personnel quickly examine incident footage. Control Center processes the stitched panoramic image as a single image.

Multiple zoom windows can be applied in the Video Monitor, enabling operators to simultaneously scan smaller segments of monitored areas in detail, while continuously viewing the whole image.

Learn more about the Logipix Control Center:

Key features & functions of Logipix Control Center

- Available in different editions – Basic / Professional / Ultimate
- Synchronized panoramic image display – no glitches at the merging borders
- White balance correction on panoramic images – smooth color gradient between the stitched images
- PPM Expansion – monitoring an image area with much higher resolution
- GPS-based object labeling – additional on-screen information that moves together with the VCA detected objects in the Video Monitor
- ePTZ function – automatic zoom function on the panoramic image that can be triggered by VCA or alarm signals
- Logi-zoom – bandwidth-effective image display function based on the resolution scalability JPEG2000 images
- PTZ control on the panoramic image – PTZ control by selecting the area of interest in the panoramic image
- Joystick emulation control – mouse control for the PTZ cameras
- Dashboard – instantly customizable monitor profile
- Video wall – Video wall operation mode
- Health report – summary of the system condition
Airport Video Client

Our engineers developed a dedicated client software for Logipix Airport Video Monitoring solution. The program seamlessly handles Logipix panoramic images and provides several advanced functions for the ground traffic controllers. Operators can observe the entire airside area watching panoramic images with hundreds of megapixels. Thanks to special zoom features and automatic object tracking, operators can use these images as virtual binoculars while simultaneously observing the entire monitored area. The software is enabled to receive data from connected external airport systems, like A-SMGCS, ADS-B and MLAT, and displays the data in labels that track with vehicles and objects on the screen in real time. Operators can click on these labels and the software changes the content of the zoom window immediately, showing the related aircraft.

Violation Management Client

The Violation Management Client is the dedicated software for handling traffic violations. It is one of the core software components of the Safe and Smart City and Traffic Violation Management solutions. With the help of the software, operators can confirm and review violations. The automatic creation of violation packages facilitates law enforcement procedures and can provide irrefutable visual evidence in court. The software was designed to process the largest number of violations with minimal human effort.

Learn more about the Logipix Violation Management Client:
THE STRENGTHS OF OUR SOLUTIONS

- Logipix solutions were developed to meet specialized requirements of individual application areas.
- Logipix engineers develop leading-edge new technologies that deliver long-term-value for our customers.
- We design cameras with hundreds of megapixels resolution and high fps to provide the best quality video footage.
- The Logipix VCA makes video monitoring and surveillance more efficient and automatic.
- Our devices are developed and manufactured to operate without failure in even extreme outdoor environments and conditions.
- Logipix end-to-end solutions deliver more performance with fewer resources. Logipix Panorama cameras can replace hundreds of Full HD cameras, ensure transparent monitor profiles and better spatial awareness for operators within the monitored area.
- All of our components are developed and manufactured in Hungary, providing high-quality surveillance solutions at competitive pricing.
- Logipix system installation procedures are designed to be fast and uncomplicated.
- Maintenance is more efficient with high-end Logipix components having a self-cleaning system. Cleaning procedures can be scheduled and started automatically.
- Logipix solutions raise the efficiency levels at facilities and environments where they have been implemented, resulting in accelerated return-on-investment.