

HIGHWAY SURVEILLANCE SOLUTION

ALL IMAGES IN THIS BROCHURE WERE TAKEN BY LOGIPIX CAMERAS

www.logipix.com

THE NEED FOR HIGHWAY MONITORING

The need for highway surveillance has become increasingly evident as this environment demands enhanced security, efficiency, and safety measures to accommodate growing traffic volumes and ensure smoother traffic flow. High-resolution cameras provide invaluable information that helps keep roads safe and secure. Cameras can monitor vehicles and alert authorities to any suspicious activity. They also provide evidence of traffic violations or accidents that occur on the road. Cameras can also help deter crime and provide a visible presence of law enforcement on the roads. They also make it easier for patrol units to take appropriate action as soon as possible.



THE LOGIPIX HIGHWAY SURVEILLANCE SOLUTION

The Logipix Highway Surveillance Solution was created to revolutionize highway monitoring by bringing specially developed, high-end surveillance technologies into this ever-evolving industry. Our solution involves edge Artificial Intelligence technology and panoramic cameras with extremely increased resolution. A single Panorama camera efficiently monitors a 1 km long highway section, which means it provides a resolution level that allows for automatic object tracking and motion behavior analysis. Automatic detection and tracking functions accelerate emergency responds, help guide highway patrol units and facilitate the work of the police. The high-resolution video streams aid decision making in real-time and effectively assist incident investigations in historical mode.









YOU NEED OUR SYSTEM, IF YOU WOULD LIKE TO...

- ...have high-resolution video coverage on many kilometers of highway sections using only a few cameras.
- ...automatically detect unsafe vehicle movements, for instance too slow or too fast vehicles, off-road driving or lane violations.
- ...detect wildlife automatically on the highway and generate warnings and alerts for operators.
- ...make highway patrol incredibly fast, easy and cost effective using a high-end video surveillance system and performing it virtually in a remote monitoring center.
- ...have remote highway operations, and receive warnings and alerts on road obstructions, traffic congestion and accidents.

- ...detect overspeed traffic violations with high precision.
- ...have automatic, accurate traffic counting without investing into a costly, physically installed inductive loop system.
- …localize incidents and other type of events immediately by having exact GPS-coordinates for every tracked object.

- ...increase the feeling of safety of the drivers while they are using the highway.
- …filter for black list and white list license plates in case of optionally applying ANPR and dedicated cameras.



EFFICIENT AND COST-EFFECTIVE OPERATION

• Fast and inexpensive highway patrol

Logipix makes it possible to perform highway patrol remotely and even automatically, using the video streams of the Panorama Cameras and a dedicated function.

• Real-time Decision Making Support

The Logipix Highway Surveillance Solution provides Real-Time Decision Making Support as it always highlights the most urgent situation on screen.

Undoubted visual evidence on all recorded situations

Using the high-resolution footage, any situation can be investigated to details. Hundreds of megapixels and fine details provide undoubted evidence on demand.

Manpower optimization

Far less operators are needed to manage the highway surveillance system, and also less patrol units are sufficient to be on the road physically.

No need for frequent physical maintenance using human resources

Logipix hardware components are capable of self-maintenance, thanks to their built-in self-cleaning and deicing systems.

• Continuous system health monitoring

The solution continuously runs multiple remote maintenance modules, which helps both preventive and corrective maintenance by comprehensively monitoring the statuses of the system components. It can reduce maintenance costs and also prolong system life-span.

ENDURING INVESTMENT

• Adaptable system structure

We always consider the custom needs of each project to best adapt the layout for current requirements. Moreover, HIGS has a flexible hardware structure that can be easily extended in case of future developments.

Designed for long-term

We developed leading-edge technologies to ensure that the system avoids both physical and technological obsolescence for a long time.

• Maximized system uptime

Logipix provides uninterrupted system availability as all the system components are developed to operate with high MTBF.





WHAT DIFFERS US FROM OTHERS

- With Logipix, only a few camera installation points are needed to cover many kilometers on the highway.
- Even the smallest Logipix Panorama is able to efficiently cover a 1 km long highway section, spanning all the lanes in one direction.
- Logipix developed a special edge AI technology, which means the video analysis in our system is not just a simple software application, but it runs on the hardware side, on full size, 100-320 MP resolution images.

- Our algorithms automatically detect several unsafe vehicle movements with high accuracy even at far distances.
- Operators can work conveniently using the purpose-designed front-end interface, which was created to accelerate response time in emergency situations and facilitate highway patrols.
- Using our system, highway patrol tours can be performed remotely and even automatically by moving virtually among predefined zoom positions, just like moving in street view applications.

- Our system provides irrefutable visual evidence of accidents or other emergency situations that have occurred.
- Logipix delivers full range of components for a complete system, from hardware to software.
- The Logipix Highway Surveillance Solution provides long storage periods, thanks to its intelligent storage management technology.
- HIGS is designed for long-term and futureproofing. Since all components are developed and manufactured by Logipix, future system upgrades can be applied easily on demand.



DESIGNING YOUR PROJECT

3D model of visual coverage

Logipix starts each project with a customized 3D plan. It helps optimize camera arrangement, necessary resolution and coverage on the highway according to customer needs.



System extension

Logipix solution is designed to be flexible for future developments. Both the covered areas and also system functionality can be extended easily on demand.



SYSTEM ARCHITECTURE

HIGHWAY SURVEILLANCE WITH AI ASSISTANCE

Computer Vision

The use of Artificial Intelligence (AI) technology in highway surveillance is revolutionizing the way of monitoring and protecting roads. Our high-end Panorama cameras are able to detect and alert authorities to any suspicious activity, provide evidence of traffic violations or accidents, and deter crime. AI technology is also helping to manage traffic flow, reduce congestion, and improve overall road safety.

The Logipix Panorama cameras are able to detect a wide range of unsafe activities on highways, from too slow or too fast vehicles to lane violations, wrong-way driving, and off-road driving.

The system is able to track and alert authorities to these activities in real-time, allowing for a faster response time and more effective law enforcement.

-======

User Interface

Operators receive these automatic warnings and alerts on the front-end interface. All objects are tracked by our advanced VCA algorithms continuously, even if they move from one camera image to another. The tracked objects get into a detailed object list, where operators can select them – while they are visible in any camera image – to trigger automatic zoom on them. The front-end interface also provides a schematic interactive map, where operators can move freely among predefined or optional zoom positions. The map contains several clearly identifiable reference point for fast orientation. Vehicle and other object positions are localized in relation to these reference points.

The high-resolution cameras also provide detailed evidence of any accidents or other emergency situations. Automatic detection, tracking and localization functions



help accelerate emergency responses, guide highway patrol units, and facilitate the work of the police.

Sensor Fusion

Optionally, HIGS can be complemented with Logipix 3D Radars to support detection and tracking functionality and realize complex sensor fusion, utilizing both visual and radar data for unparalleled accuracy.





VIRTUAL PATROL TOUR

HIGS has been designed to make highway patrol easier and more efficient. One of its features is the virtual patrol tour, which allows operators to remotely monitor road conditions and perform highway patrol duties using the images of the 100-320 MP Panorama Cameras. This virtual patrol tour allows operators to move virtually among predefined zoom positions, just like they would be moving in a street view application. Both manual and automatic options are available to perform the Virtual Patrol Tour. The resolution of the Panorama Cameras allows operators to observe road conditions to details and perform preventive and reactive maintenance. The system also provides an abstract, schematic interactive map, signing typical freeway exits and entries, highway overpasses, and other custom, easily identifiable places. Operators can move among these points and the software always shows the corresponding zoom position. The Panorama cameras are linked to each other forming a complex sensor system, so the operators can

Status	Type	System ID	Speed [Kmph]	Area	Date UTC	Time UTC	Comment
In motion	Vehicle	118537	41	Near Al Rewaysat Rd.	5/18/2023	08:13:16	
In motion	Vehicle	118527	45	Near Al Safari Rd.	5/18/2023	08:13:16	
Sone	Human	118519	10	Near Al Safari Rd.	5/18/2023	08:13:13	
Gone	Vehicle	118512	46	Near Al Safari Rd.	5/18/2023	00:13:12	
In motion	Vehicle	118506	10	Near King Salman Unv.	5/18/2023	08:13:16	
In motion	Vehicle	118504	55	Near Al Safari Rd.	5/18/2023	08:13:16	
Sone	Vehicle	118496	60	Near Al Rewaysat Rd.	5/18/2023	08:13:16	
Gone	Vehicle	118494	36	Near Ibn Sina Rd.	5/18/2023	08:13:04	
Gone	Vehicle	118487	30	Near Al Safari Rd.	5/18/2023	08:13:10	
In motion	Vehicle	118489	56	Near Ibn Sina Rd.	5/18/2023	08:13:16	
Gone	Vehicle	110401	47	Roadside	5/18/2023	08:13:03	
In motion	Vehicle	118423	42	Near Al Safari Rd.	5/18/2023	08:13:16	
Gone	Vehicle	118460	22	Near Al Rewaysat Rd.	5/18/2023	08:12:54	
Gone	Vehicle	118467	0	Near King Salman Unv.	5/18/2023	08:13:03	
In motion	Vehicle	118439	61	Near Al Rewaysat Rd.	5/18/2023	08:13:16	
Gone	Human	118421	10	Near Al Rewaysat Rd.	5/18/2023	08:13:01	
Gone	Vehicle	110415	56	Near Al Rewaysat Rd.	5/18/2023	00:12:35	
Gone	Vehicle	118408	52	Near Al Rewaysat Rd.	5/18/2023	08:12:36	
In motion	Vehicle	118401	39	Near Al Safari Rd.	5/18/2023	08:13:16	
Gone	Vehicle	118396	0	Near King Salman Unv.	5/18/2023	08:12:36	
Gone	Vehicle	110309	76	Near Al Rewaysat Rd.	5/18/2023	00:12:49	
Sone	Vehicle	118365	15	Near Al Rewaysat Rd.	5/18/2023	08:12:28	
Sone	Vehicle	118337	4	Near Ibn Sina Rd.	5/18/2023	08:12:13	
Gone	Vehicle	118346	31	Near Al Safari Rd.	5/18/2023	08:12:21	
Gone	Vehicle	110311	5	Near Ibn Sina Rd.	5/18/2023	08:12:04	
Sone	Vehicle	118319	68	Near Al Rewaysat Rd.	5/18/2023	08:12:24	
Gone	Vehicle	118292	77	Near Al Rewaysat Rd.	5/18/2023	08:12:20	
Gone	Vehicle	118303	64	Near Al Rewaysat Rd.	5/18/2023	08:12:29	
Gone	Vehicle	118305	15	Near Al Rewaysat Rd.	5/18/2023	08:12:15	
Sone	Vehicle	110203	5	Near Al Safari Rd.	5/18/2023	00:11:54	
Gone	Vehicle	118254	20	Near Al Safari Rd.	5/18/2023	08:11:51	
Gone	Vehicle	118255	45	Near Al Safari Rd.	5/18/2023	08:11:56	
Gone	Vehicle	118246	35	Near Ibn Sina Rd.	5/18/2023	08:11:48	
Gone	Vehicle	118235	33	Near Al Safari Rd.	5/18/2023	08:11:38	
	Vehicle	118228	0	Near Al Rewaysat Rd.	5/18/2023	08:13:16	
stopped		110010		Name the Class Rd	5/18/2023	08-11:58	
Stopped	Vehicle	118215	11	recar ton bind rot.	and much mension		

virtually move from one panorama camera to another. The zoom positions of the different panoramas are overlapped in depth, creating smooth, continuous zoom experience.

By being able to perform patrol tours remotely, even law enforcement is able to be more efficient and costeffective, while also ensuring the safety of the roads.

WORKING WITH ARCHIVE **VIDEO STREAMS**

Recording

The system continuously records the images and stores them in a fail-safe file system, distributed among many HDDs. In case of any accident or other emergency situation a comprehensive investigation

can be performed by analysing the footage in full resolution. As the video stream consists only intraframe coded JPEG2000 images, any frame can serve as irrefutable visual evidence in critical situations.

> - - -8

Total:4112

LOCIPIX Object tracking - Zoom		PIX Object tracking -	List							
	#	Object list filter	Туре		-	Date UTC	Time UTC	Comment	GPS	I
	RS I	Time	Vehicle (((trl-2)		5/19/2023	01:03:23	-	27.86284, 34.30327	
			Human (Ctrl-5)	sat Rd.	5/19/2023	00:57:27		27.86553, 34.30412	
	-	Status +	F Animal ((71-63	sat Rd.	5/19/2023	00:57:26	-	27.86851, 34.30493	
			line jui	10000 70 100	wwysat Rd.	5/19/2023	00:57:25	-	27.86711, 34.30453	
	L L	Violation type 🕨	man 10	Near King	Salman Unv.	5/19/2023	00:57:20		27.87026, 34.30537	
		Area P	hicle 34	Near Al Re	waysat Rd.	5/19/2023	00:56:39		27.86867, 34.30498	
	e e		hicle 19	6 Near King	ialmarı Unv.	5/19/2023	00:56:39		27.87973, 34.30795	
ALL THE DESIGNMENT AND ADDRESS OF TAXABLE PARTY.		▶ Gone	Vehicle 46	Near Al Re	waysat Rd.	5/19/2023	00:56:35	1	27.86841, 34.30492	
the second secon	\checkmark	▶ Gone	Vehicle 53	Near King	Salman Unv.	5/19/2023	00:56:34		27.87221, 34.30579	
And a state of the second		► Gone	Vehicle 1		na Rd.					
		► Gone	Vehicle 68	Near King	Salman Unv.	5/19/2023	00:56:28		27.87327, 34.30603	
		▶ Gone	Vehicle 11	Near Ibn S	na Rd.	5/19/2023	00:56:25	-	27.86272, 34.30341	
		► Gone	Vehicle 41	Near Al Sa	lari Rd.	5/19/2023	00:56:24		27.86372, 34.30345	
	IV.	▶ Gone	Vehicle 45	Near Ibn S	na Rd.	5/19/2023	00:56:23		27.86275, 34.30326	
		Gone	Vehicle 4	Near Ibn S	na Rd.	5/19/2023	00:56:19		27.86281, 34.30343	
		▶ Gone	Vehicle 59	Near Al Sa	fari Rd.	5/19/2023	00:56:18		27.86353, 34.30351	
		▶ Gone	Vehicle 63	Near Al Sa	fari Rd.	5/19/2023	00:56:18		27.86363, 34.3035	
		▶ Gone	Vehicle 8	Near King	Salman Unv.	5/19/2023	00:56:18		27.87424, 34.30625	
-11'		▶ Gone	Vehicle 36	Near Al Re	waysat Rd.	5/19/2023	00:55:54		27.86543, 34.30416	
		▶ Gone	Vehicle 25	Near Al Re	waysat Rd.	5/19/2023	00:55:48		27.86824, 34.30489	
		▶ Gone	Vehicle 31	Near AJ Re	waysat Rd.	5/19/2023	00:55:43		27.86798, 34.30482	
		▶ Gone	Vehicle 31	Near Al Sa	lari Rd.	5/19/2023	00:55:36		27.86369, 34.30366	
	-	▶ Gone	Vehicle 31	Near Al Re	waysat Rd.	5/19/2023	00:55:35		27.86719, 34.3046	
		▶ Gone	Vehicle 53	Near Al Re	waysat Rd.	5/19/2023	00:55:32		27.86746, 34.30463	
		▶ Gone	Vehicle 32	Near AJ Re	waysat Rd.	5/19/2023	00:55:29	-	27.86842, 34.30492	
	-	▶ Gone	Vehicle 32	Near Ibn 5	ina Rd.	5/19/2023	00:55:26		27.86314, 34.30357	
		▶ Gone	Vehicle 16	Near Al Re	waysat Rd.	5/19/2023	00:55:24		27.86972, 34.30528	
		▶ Gone	Vehicle 40	Near Al Re	waysat Rd.	5/19/2023	00:55:18		27.86771, 34.30475	
the second se		▶ Gone	Vehicle 52	Near Al Sa	fari Rd.	5/19/2023	00:55:15	1	27,8646, 34,30374	
		▶ Gone	Vehicle 34	Near Ibn S	ina Rd.	5/19/2023	00:55:03		27.86266, 34.30324	
	_	▶ Gone	Vehicle 32	Near Al Re	waysat Rd.	5/19/2023	00:55:02		27.86543, 34.30416	
		▶ Gone	Vehicle 52	Near Ibn S	ina Rd.	5/19/2023	00:55:00		27.86266, 34.30324	
		▶ Gone	Vehicle 10	Roadside		5/19/2023	00:54:56		27.87967, 34.30611	
		▶ Gone	Vehicle 50	Near Al Sa	fari Rd.	5/19/2023	00:54:54		27.86362, 34.30353	
the second	A	▶ Gone	Vehicle 56	Near Al Sa	fari Rd.	5/19/2023	00:54:53		27.86372, 34.30349	
	4	▶ Gone	Vehicle 4	Roadside		5/19/2023	00:54:52	-	27.87967, 34.30611	
		▶ Gone	Vehicle 42	Near Al Re	waysat Rd.	5/19/2023	00:54:51		27.8657, 34.30419	
·		▶ Gone	Vehicle 34	Near Ibn S	na Rd.	5/19/2023	00:54:47		27.85266, 34,30323	

Online archive

On the User Interface, operators can search the archive fast archive search, based on the in-memory object during real-time monitoring if necessary. The archive history database. The function allows to search for search can be time based, allowing operators to search specific incidents and object types within time-frames for specific periods, but they can also search for objects in certain areas. In order to search effectively within and their registered statuses to load the footage of interest. They can simply select objects in the detailed this huge amount of information, multi-level filtering is list, which contains all current and historical object available. For instance, operators can filter for a specific incident statuses with precise time and position data. The list type within a certain time period. They can also list can be filtered according to different criteria, such as violation types concerning specific areas, which object type, area and other relevant parameters, to contributes to efficient road management. facilitate and accelerate the search.



Video history

The Logipix Highway Surveillance Solution provides

Ko/ K			i Login hw	01 S ,	18/2023 17:40	0:44
	VIOLATION TYPE	AREA	OBJECT TYPE	SPEED (Kmph)	SPEED LIMIT (Kmph)	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	3	0	
	Speed limit	Near Al Rewaysat Rd.	Heavy vehicle	55	50	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	5	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Al Rewaysat Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	4	0	
	Speed limit	Near Ibn Sina Rd.	Heavy vehicle	53	50	
	Unauthorized stopping	Near Al Rewaysat Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Heavy vehicle	0	50	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Heavy vehicle	0	50	
	Speed limit	Near Ibn Sina Rd.	Heavy vehicle	55	50	
	Unauthorized stopping	Near Ibn Sina Rd.	Light vehicle	5	0	
	Unauthorized stopping	Near Al Rewaysat Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near Al Rewaysat Rd.	Heavy vehicle	1	50	
	Unauthorized stopping	Near Al Rewaysat Rd.	Light vehicle	0	0	
	Unauthorized stopping	Near King Salman Unv.	Light vehicle	0	0	
	Unauthorized stopping	Near Al Safari Rd.	Light vehicle	14	0	
	Unauthorized stopping	Near Ibn Sina Rd.	Heavy vehicle	0	50	
	Unauthorized stopping	Near Al Rewaysat Rd.	Light vehicle	0	0	
		Violatic	n type Area		Object type	Totak 6
		V D.			and a second sec	

TECHNOLOGIES BEHIND LOGIPIX FUNCTIONS

Synchronized System Components

All Logipix system components are synchronized to each other and all the cameras take their images in sync to guarantee that the moving objects are visible at their correct location. The system records time stamps in all image headers, which allows the system to provide appropriate visual evidences during investigation.

Monitoring in Full Resolution

Displaying 100-320 MP image stream at high fps during live monitoring or archive playback is not an easy task. This amount of data can impose excessive

burdens on the network infrastructure and also on client computers.

ireguháza 🕅 🧱 🖚

Logipix developed a special technology to overcome this issue. The system stores the full-size images on the NVR, but always transmits and displays only relevant pixels. When a full frame image is on screen, its horizontal resolution is equal to the display resolution. When an operator zooms in, the system sends the cropped image in higher resolution. As the zoom value increases, so does the transmitted image resolution. The system continuously records the full panoramic images in full resolution regardless of the zooming.

Intelligent Storage Management Technology

The system continuously records the videos. Thanks to the Logipix Ageing Technology, storage period of video streams can be greatly prolonged. The system intelligently drops frames from the video stream according to a configured period, and therefore it frees up space on the HDDs. As the JPEG2000 stream consists only intra-frame images, the footage will be still available after video stream ageing, but with reduced fps.

Computer Vision

Logipix provides the most reliable VCA possible, as the algorithms run on full resolution, uncompressed image streams. This approach ensures accurate detection and tracking. The VCA relies on several advanced method. One of them is the Multidimensional Gaussian Background Model that always adapts to the background and differentiates every moving object from the learnt environment. Our built-in neural network ensures that the system does not loose the relevant non-moving objects. The VCA also applies Object Feature Extraction, Motion Behavior Analysis and Motion Path Estimation algorithms in order to realize an intelligent, self-learning virtual environment.



MAIN FEATURES AND FUNCTIONS

Comprehensive highway surveillance

- Overview panoramic image
- Zoom image with increased resolution
- Lock-on target tracking zoom
- Automatic warnings and alerts
 - Stopping vehicles
 - Too slow or too fast vehicles
 - Lane violations
 - Wrong-way driving
 - Off-road driving
- Reactive maintenance
 - Detecting road obstruction
 - Detecting traffic congestion

- Detecting accidents
- Preventive maintenance
 - Manual road condition inspection
- Detailed object list

Interactive map

- Schematic map of the road network
- Overview and detailed maps
- Zooming on the maps to reveal details
- Predefined zoom positions on the roads
- Slider for easy zoom navigation
- Manual and automatic patrol tours



Logipix 100 MP 10° Panorama Camera



KEY SYSTEM COMPONENTS



Logipix ONE 20 MP Single Sensor Camera



Logipix 320 MP 40° Panorama Camera

HIGS Client and Server components



Logipix 200 MP 20° Panorama Camera



Logipix Network Video Recorder 4th gen



TECHNOLOGICAL STRENGTHS OF THE SOLUTION

- HIGS is a complete system that utilizes edge Al technology, panoramic cameras with hundreds of megapixels resolution and a sophisticated software environment for enhanced surveillance.
- The Logipix Panorama Cameras operates in a synchronized manner, forming a complex sensor system that provides intelligent surveillance on many kilometers of extending highways.
- A single panorama camera can efficiently monitor a 1-kilometer-long highway section, allowing for automatic object tracking and motion behavior analysis. It provides 70 ppm (pixels per meter) resolution at a distance of 1 kilometer.
- Logipix provides edge AI technology, embedded in the hardware components for realizing the most reliable long-distance detection of various unsafe and suspicious vehicle movements. The algorithms run on full resolution, uncompressed video streams.

- The Al-powered Video Content Analysis of the system is able to track thousands of objects simultaneously.
- Advanced Artificial Intelligence and Augmented Reality technologies help realize effective Real-Time Decision Making Support, which always guides the focus of operators to spot the most urgent situation within the monitored area.

- HIGS provides real-time position information on detected objects. It informs operators of object locations using reference points on maps to facilitate easier orientation.
- The system streamlines target tracking with the automatic lock-on-target zoom function. It works with digital zooming and it can also control PTZ cameras.

CONCLUSION

Logipix Highway Surveillance Solution is a comprehensive system that revolutionizes the monitoring of highways and their surrounding areas. The system simplifies highway surveillance, making it more resource-efficient. Virtual Patrol Tours, which can be performed either automatically or manually, greatly reduce patrol costs and increase overall efficiency. The system can track traffic flow, detect and prevent accidents, as well as identify illegal activities. It enhances driver safety and improves control and security on highways.



ABOUT LOGIPIX

Logipix Technical Development Ltd. is a privately held company established in 1996 in Budapest, Hungary. Since then, Logipix has grown into the international company that it is today – one of the most innovative, end-to-end video surveillance solution developers and manufacturers. Today the main profile of the company is to provide specially designed, high-end video surveillance solutions considering the various characteristics of different application areas.

CONTACT US

H-1158 Budapest, Késmárk u. 11-13. sales@logipix.com +36 20 480 5933 + 36 1 414 0912

www.logipix.com