



Bricoking, Spain

Spanish DIY Chain Bricoking Relies On IP Technology from MOBOTIX

Bricoking is currently the leading chain of DIY stores in Spain. The company has grown rapidly since its founding in 1996. Today, it is the preferred starting point for home improvement enthusiasts and all those who want to refurbish their homes.

There are presently 28 branches on the Iberian peninsula. In view of this growth, demand for a video security system that would satisfy the increased requirements became stronger and stronger. As a result, the search for a suitable solution got underway together with security provider Chillida Sistemas de Seguridad. Founded in 1974, Chillida Sistemas de Seguridad is a partner of Bricoking in the field of security and specializes in CCTV and alarm systems. Its experts have extensive experience in the planning, installation and maintenance of security solutions for customers that operate at multiple locations as well as the retail food industry.

Requirements Profile

Analysis of all data is performed at the Bricoking's headquarters in A Coruña, Spain. For this reason, a remote system was required in order to be able to access live images and video recordings from the individual branches.

Other requirements included higher image quality and swiveling cameras that provide a 360-degree view. The requirements profile created by Chillida formed the basis for further action. After conducting a thorough comparison of similar solutions available on the market, a decision was made in favor of the MOBOTIX cameras featuring IP technology. Installation was to be performed together with regional provider VeoVisión IP.

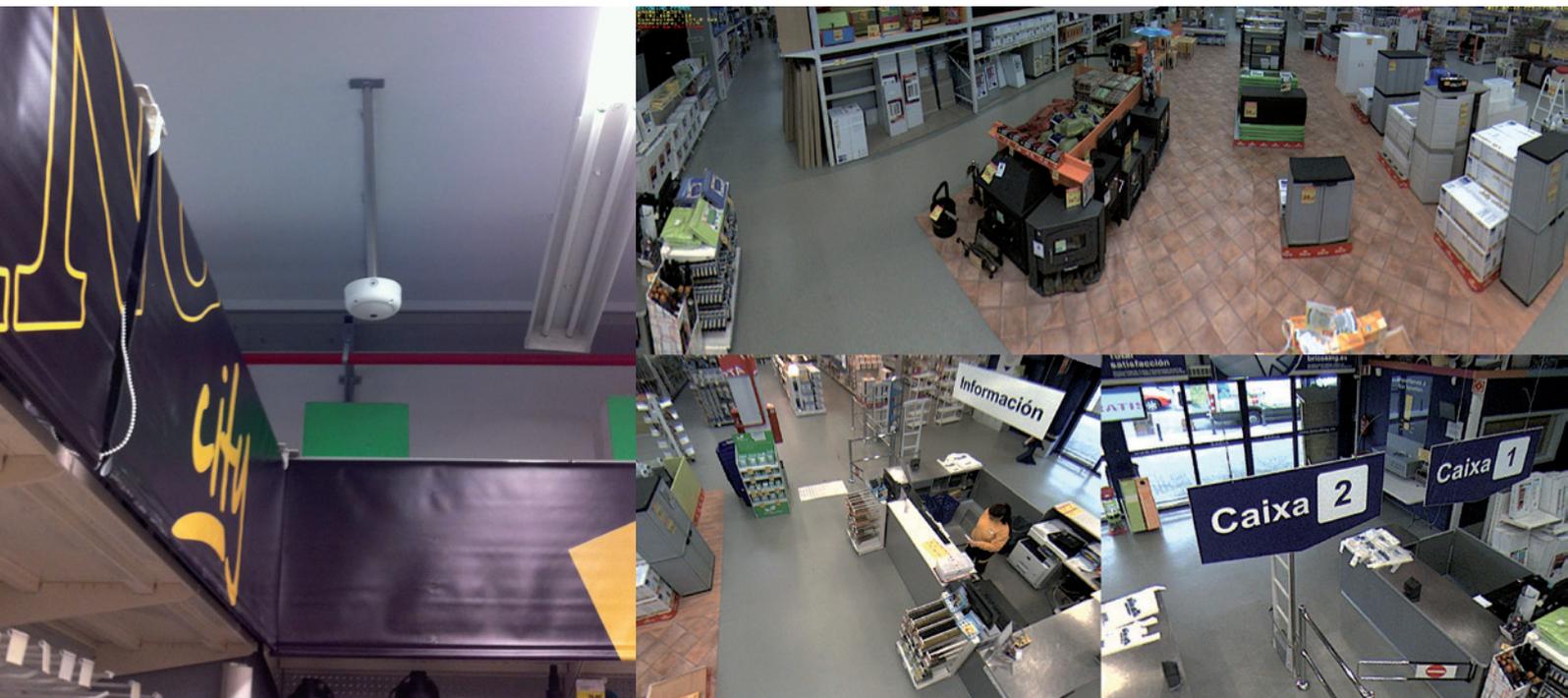
"The cameras from MOBOTIX are the best solution if the customer is primarily looking for high image quality," says Miguel Pérez, Technical Director at VeoVisión, a MOBOTIX distributor in Galicia. "What's more, the specifications from Bricoking stated that it

needed cameras that provide a 360-degree view and external, high-resolution live image feed. In view of these requirements, the decision in favor of the IP cameras from MOBOTIX was a simple one."

"IP technology and browser-based server access were an absolute must for us," says Daniel Adrián Díaz Arluna, Construction Manager and Project Manager at Bricoking. "When planning a security solution with IP cameras, including higher image resolution, all of these requirements should be satisfied. We finally opted for MOBOTIX, as it scored extra points thanks to its straightforward installation process and moderate price."

Installation And Initial Operation

In addition to the possibility of central access from the headquarters in A Coruña and increased image quality, the management at Bricoking had one other precondition: All recordings must be stored for 15 days. It is only possible to store high-quality video data



“The system from MOBOTIX exceeded all of our expectations.”

on the 32 GB SD cards for two days, meaning an additional storage solution was needed.

A decision was made in favor of NAS (network attached storage). It was necessary to set up a main system with a storage capacity of 6 TB and RAID 5 configuration and a backup system with a capacity of 2 TB based on RAID 0. The cameras from MOBOTIX were configured in such a way that the primary NAS records videos with a resolution of 3 megapixels while events triggered by motion detection are stored on the backup NAS in the MXPNG format. This involves videos of between 3 and 5 MB that can be accessed externally without any problems.

In addition to the search for a suitable storage solution, several additional steps were required. Following the situation analysis and creation

of the requirements profile, multiple on-site visits and the informed decision in favor of the MOBOTIX cameras, the project entered its decisive phase, which focused on finding the ideal installation location for the cameras and selecting suitable models.

Security cameras in a DIY store are used for various purposes: video surveillance, theft prevention (as a deterrent), analysis of recorded events, complaints and much more. They can also deliver useful information regarding lighting and temperature conditions in sales areas.

Taking all of these aspects into account, 18 cameras were finally installed in four Bricoking DIY stores – in sales areas, in the warehouse and in the outside area. Two models were used: the Q24 with 360° allround view and the M24, both with a focal length of 6 mm.

After the cameras were selected, they were configured according to the desired requirements. A number of different tests were also conducted in order to check the visibility of the individual cameras and coordinate the installation locations.

To optimize the systems, Chillida Sistemas de Seguridad developed a custom software platform that is connected to the individual branches and makes it possible to control all of the cameras, including overview plans, recordings, access to the backup NAS and the central management of all security systems. This way, all of the processes are integrated, centralized and automated.



Exceeded Expectations

“The new video security system has to satisfy extremely high requirements,” explains Daniel Adrián Díaz Arluna, Construction Manager and Project Manager at Bricoking. “As it happens, all of our requirements were fulfilled. The result is a system that exceeded our expectations. In addition to the required range of features, it also offers additional features such as sound recordings and playback of spoken messages.”

“It’s almost always possible to adjust the functionality and operating mode of the cameras without problems. The cameras are extremely versatile,” says Estévez Hermida, Project Engineer at Chillida, in overall praise of the system. “Calling this complete solution a camera doesn’t really do it justice.”

MOBOTIX has developed and manufactured IP video systems, video management and analysis software in Germany since 2000.

MOBOTIX stands out for its **high level of reliability**. All outdoor cameras are subjected to a stress test for temperatures between -30°C and +60°C (-22°F and +140°F). Without additional components, without heating or cooling and with no moving parts (for example auto iris), they are virtually maintenance free.

MOBOTIX delivers a **perfectly matched package**, starting with the microSD card for storage management and HD audio (microphone and speaker) with VoIP telephony through video analysis, a professional video management system and motion detection software reducing false alarms.

The **decentralized architecture** means that a central computer is not required and the network load is minimal. The intelligent cameras from MOBOTIX process and store image data themselves, trigger events and, in the event of remote access, manage the frame rate and resolution depending on the available bandwidth.

The **6MP Moonlight sensors** and complementary **thermal imaging technology** ensure reliable detection of moving objects, even under the most challenging light conditions and over long distances. As a result, it is possible to cover large areas with just a few cameras. Less power cabling, less IT infrastructure and fewer additional light sources are needed. MOBOTIX cameras are powered using standard PoE and do not require more than 4-5 watts.

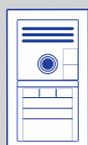
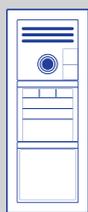
An intelligent IP video system from MOBOTIX allows you to **reduce total costs**. The investment pays for itself after a short time and the free-of-charge software and updates ensure it is a future-proof investment.

Outdoor Dual Lens			Thermal	
M15/16 AllroundDual	S15/16 FlexMount	D15/16 DualDome	M15/16 Thermal	S15/16 DualThermal
				
Robust for extreme conditions	Flexible dual camera	Modular dual camera	Thermal dual	Thermal dual

Outdoor Single Lens			
M25/26 Allround	S15M/26 FlexMount	Q25/26 Hemispheric	D25/26 Dome
			
Robust for extreme conditions	Discreet, video analysis	Discreet, video analysis	Modular Fix dome

Indoor			
i25/26 Panorama	c25/26 Hemispheric	p25/26 Allround	v25/26 MiniDome
			
180° hemispheric	Discreet, video analysis	Modular ceiling camera	Vandalism camera

Door Modules			MxDisplay+
Camera	BellRFID	Keypad	Remote Station
			

Door Sets			
Double Frame		Triple Frame	
			

Retailer information: