



Our Approach to Cybersecurity: Windows, Doors, and Ethical Locksmiths

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Every neighborhood has *that one house*. The homeowner invests in the latest alarm system, floodlights, motion sensors, even a video doorbell. But night after night, the back door is left unlocked.

When a break-in happens, it's rarely through the fortified front door. It's through the side gate left open, the garage with a broken latch, or the window someone forgot to lock.

Cyber attackers do the same. They don't always target the most hardened defenses. Instead, they search for the overlooked openings — an integration left on, a default password never changed, a service that nobody realized was exposed.

In fact, according to a Mimecast 2025 report, 95% of cyber security breaches come from human error¹ —someone metaphorically forgetting to lock the door.

Security isn't just about the front door. It's about the whole property, and all the ways someone might walk inside.

Windows, Doors, and Cybersecurity

You can think of every camera like a house. The **body and firmware** form the foundation and walls. The **admin login** is the front door. **Protocols and integrations** act as the windows, while **unused features left enabled** are like forgotten back doors. Even the **firmware supply chain** is the basement — invisible from the street but critical to keep dry and secure.

Each of these elements can either be a locked, well-protected entryway — or an open invitation for someone to walk right in. And here's the simple truth: the fewer unnecessary doors a house has, the safer it is to live in.

That's why MOBOTIX cameras are designed differently. We methodically approach our "building plans" with cybersecurity in mind by eliminating unnecessary weak points.

And after removing those weak points, MOBOTIX still remains ONVIF-compliant and fully capable of working within broader ecosystems. But it dramatically reduces the attack surface. So when new vulnerabilities make headlines, our devices are often unaffected — simply because the “door” attackers are exploiting doesn’t exist in the first place.

Reducing the Attack Surface

So you might be thinking, why wouldn’t we a camera with no weak points?

A camera with no vulnerable entry points would be perfectly secure... but it would be unusable. Locking down a camera or any device to the point of unusability doesn’t actually serve its purpose; it makes it a fancy paperweight.

The art is balance.

- **Too locked down** → the system becomes unusable.
- **Too open** → the system becomes vulnerable.

Great cybersecurity means designing systems that are **easy for the right people to use** and **hard for the wrong people to find**. It means automatic locks, intuitive controls, and safeguards that don’t depend on the user’s memory or expertise.

At MOBOTIX, we build cameras so that security doesn’t feel like a burden. The safest option is usually the default. If an integration or advanced feature is required, it’s enabled intentionally and with full transparency.

[Download our Free Guide](#)

Introducing Ethical Hacking

We at MOBOTIX are confident in our systems and the safety systems we have in place for all our cameras. That’s why we do regular ethical hacking and penetration testing to make sure our systems are continually tested and optimized.

This continuous cycle of testing and hardening ensures that the locks on our devices aren’t just theoretical. They’re proven against the same methods real attackers would use.

A Practical Checklist for Securing Your Cameras

If you’re assessing your cybersecurity risk and you’re wondering how safe you are, here’s a simple checklist you can follow when setting up or maintaining a MOBOTIX camera:

1. Change default credentials immediately
2. Disable unused protocols and services
3. Enable integrations intentionally
4. Use secure remote management
5. Keep firmware updated
6. Run simulated cyber-attack tests
7. Maintain an inventory of devices and firmware versions
8. Train staff

These aren't theoretical. They're the everyday habits that keep the house secure against opportunistic break-ins.

A House That Feels Permanently Safe

The best house is one where you never have to worry whether the doors are locked. You know they are. The locks work automatically, the windows are secure, and the structure itself is sound. You can simply live in it, without fear.

That's how cybersecurity should feel too.

At MOBOTIX, we believe a camera should be like that house: strong by design, with fewer doors for attackers to exploit, and with locks that work without constant user intervention. Security should be seamless, invisible, and reliable — built into the very walls of the system.

Because in the end, most break-ins don't happen at the front door. They happen at the forgotten window.

That's how you build not just a camera, but a safe home for your data and your trust.

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1. <https://www.infosecurity-magazine.com/news/data-breaches-human-error/>

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About MOBOTIX AG

MOBOTIX is a leading manufacturer of intelligent IP video systems in premium quality and sets standards in innovative camera technologies and decentralized security solutions with the highest level of cyber security. MOBOTIX was founded in 1999 and is headquartered in Langmeil, Germany. The company relies on its own research and development as well as its own production "Made in Germany". Customers around the world trust in the durability and reliability of MOBOTIX hardware and software. The flexibility of the solutions, the integrated intelligence and the highest level of data security are appreciated in many industries. MOBOTIX products and solutions support customers in areas such as industrial manufacturing, retail, logistics and healthcare. With strong and international technology partnerships, the company is using artificial intelligence and deep learning modules to expand its universal platform and new applications in a wide range of sectors.

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