

He is a highly successful inventor and entrepreneur who has designed many of the security elements that work to protect his home. John Adrain has licensed these technologies to Microsoft, Samsung, Sony, Nissan, Jaguar/Land Rover, TRW, Magna International, General Motors and more. Many of his inventions have been used for the military and law enforcement. Adrain has found his home to be the perfect testing ground for his high-end products. Setting up his home to be the technological fortress it is today took years, but his dedication and constant effort has created a home worth talking about ... as you're about to find out. —AE

High-Tech Estate

John Adrain (above)

ENTREPRENEUR JOHN ADRAIN GIVES US AN INSIDE LOOK AT HIS “SMART” HOME

Story by Amelia Earl, Photos Courtesy of John Adrain

TRYING TO HIDE IN ADRAIN'S BACKYARD IS LIKE BETTING TAILS ON A DOUBLE-HEADED COIN TOSS—A GUARANTEED LOSS. WITHIN THE BOUNDARIES OF HIS PROPERTY LIES 50+ HIGH-DEFINITION CAMERAS. IF YOU'RE THINKING YOU MIGHT BE ABLE TO SNEAK PAST WITH THE HELP OF CAMOUFLAGE, THINK AGAIN. ALL OF THE OUTDOOR CAMERAS ARE EQUIPPED WITH THERMAL IMAGING OR FORWARD-LOOKING INFRARED (FLIR).

Adrain has also set up PTZ (pan-tilt-zoom) cameras, motion-activated lights and multi-sensor cameras throughout his property so that no one can pass through unnoticed. Sorry, camouflage.

Another great defensive measure found on Adrain's property is his Tilt-A-Way gate. This gate won't budge even if a car drives into it. Having the Tilt-A-Way gate restricts who can park on his property. So, if someone wants to try and break in his home, they will have to carry all of their tools with them.

Even if someone was to park on the street near his house, his outdoor security cameras have license plate-recognition technology. This software was licensed by Adrain and has also been used in law enforcement vehicles.

HALT, WHO GOES THERE?

Trying to secretly encroach upon Adrain's property would be a hopeless quest for most of us, but when compared to trying to actually break into his home, it starts to look like child's play.

His front door utilizes the same technology that's used at the Israeli and Palestinian border: FSTBM behavior and facial recognition. This allows Adrain and his family to travel in and out of his home without having to use a key, while denying entrance to everyone else.

On the outside of his house, every door and window is covered with an 8mm-thick film. Bullet Barrier Wall & Door Panels, designed by Adrain, cover several of his doors and all of his doors, inside and outside, have strengthened doorjamb so they can't be kicked open. Bullet Barrier Blinds, one of Adrain's patent-pending and trademarked products, automatically come down when triggered by motion detection, ground source radar, or FST.

Even if someone were prepared to take up the challenge of getting inside, multiple offensive measures have been set up in and around Adrain's home to ward off intruders. One of these devices, the Burglar Blaster, is licensed



(Above) Even deer can't blend into the background with FLIR technology.

(Above right) Cameras are spread throughout his property for full-scale surveillance.



by Adrain. When triggered, either automatically or manually, the wireless unit releases 4 ounces of OC pepper spray that can cover areas up to 2,000 square feet. Numerous blasters protect both the outside of his house and around 50% of his home's interior.

WIRE CUTTERS WON'T CUT IT

Many people can have their safety nets disabled simply from someone jamming their internet and cutting off their cable, telephone or electricity. Realizing this weakness, Adrain has devised a way to stay one-step ahead of any villainous ploys. All his cameras, motion detectors, sensors and other various mechanisms have backup power in case the electricity goes down. Since fiber and cable internet is relatively easy to jam, Adrain has his internet beamed to him via microwave.

You can have all the best security equipment set up around your home, but if they go out when the power is cut or you can't receive notifications because your internet is jammed, then they won't do you a whole lot of good. They also won't benefit you

if your security system gets hacked. To deter this, Adrain is constantly updating his security and routers to ensure his home is strong from all angles.

SURVIVING A CATASTROPHE

A truly protective home doesn't just fight off intruders; it should also be a safe place if a doomsday event occurs. Earthquakes, nuclear war, EMP strikes and so on could drastically change life as we know it. Understanding how unpredictable our world is, Adrain has equipped his home to allow him to be self-sufficient if things go south.

Since food would quickly become scant in a doomsday scenario, Adrain has over a year's worth of food stored up. He also has tons of seeds that he could plant in his garden for long-term sustainability.

A replenishable source of water is critical to have if you plan to stay alive for long in a world where grocery stores lie empty. Adrain has two sources for water: his well and an atmospheric water generator. The water in his home is controlled by a flow-logic system that manages all

A DEEPER LOOK

Adrain uses some of the best products on the market, many of which were made by him. Here's a brief list of some of the devices his home contains:

- 01 TILT-A-WAY GATE
- 02 HONEYWELL TUXEDO TOUCH
- 03 FST BIOMETRICS
- 04 RIGID INDUSTRIES LED LIGHTING
- 05 BURGLAR BLASTER
- 06 BULLET BARRIER BULLETPROOF BLINDS
- 07 FLIR CAMERAS
- 08 PAN & TILT CAMERAS
- 09 BULLET BARRIER WALL & DOOR PANELS
- 10 TSUNAMI PRODUCTS ATMOSPHERIC WATER GENERATOR
- 11 IQAIR PERFECT 16
- 12 GERMAN SHEPHERDS

his water. If someone tries to drain his well, they won't get more than a gallon before the system shut it down. In case something happens to his well, the Tsunami Products water generator Adrain has uses humidity to extract, purify and deliver water in a usable form.

Adrain stresses the fact that he has redundant everything. Backup batteries, backup power, multiple sources of food and water, redundant servers, generators, backup oil, fuel and diesel oil. All of these are critical in long-term sustainability. If all you have are a few gallons of emergency water lying around and a drawer of canned food, then you better hope the emergency lasts only for a few days. Unfortunately, many disasters would last much longer.

What many people fail to realize is that you'll need your own supplies to power your stove, or gas to fill up your car, if a situation were to happen where grocery stores, hardware store, and gas stations run out of supplies.

Seeing that disaster can strike at any moment, Adrain recommends your car be stocked with water, food, sleeping bags and even a fire extinguisher. He also encourages neighborhoods to get together to discuss various skill sets and talents. Surviving a catastrophe is much easier when you aren't going it alone. **HD**



John Adrain's living room has multiple flat screens that display live video feed and the data from his SpotterRF system. Below, one of the many cameras that provides protection.



WORDS TO THE WISE

Thanks to his profession, Adrain has expert knowledge on how to best protect your home and family. The paragraphs below list a few of his suggestions.

01

Statistically, 86% of home break-ins are committed by someone who has already been in the home before. Visible safes can make you a target, so safes should be concealed and located in convenient areas. Safes that are bulkier are harder to steal and, as Adrain puts it, "You should never place all your eggs in one basket." Preferably, you should have multiple firearm safes around your home.

02

For those who believe the police will be able to save the day when it comes to property crime, think again. Many people have a false sense of security because they know their alarm system will notify the police. The truth is, by the time the police arrive, the intruders are probably already gone with some of your stuff. Your home security is really up to you.

03

The three best upgrades you can make to your home for improved security are strengthening your doorjamb, improving your locks and lining your windows with thick film, says Adrain.

Normal doors can be kicked open, so reinforcing your doorjamb will make breaking and entering a lot more challenging. Locks can easily be picked and windows broken, which is why upgrading your locks and strengthening your windows are worth it.