Rethinking rapidly Deployable CCTV

PRODUCT GUIDE 2026

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Giraffe
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Giraffe

Rethinking rapidly deployable CCTV

Cost effective mobile security units and state of the art cloud-based management software for the global security industry.

- → GIRAFFE SOFTWARE
- → GIRAFFE CCTV TOWER
- → MOBILE SECURITY UNIT
- → EDGE CONTROLLER
- → MEERCAM™
- → ABOUT GIRAFFE

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We make the hardware

Giraffe is unlike any other supplier in the rapidly deployable security market. For us, innovation starts with deep R&D, advances with cutting-edge technology, and culminates in smart, purposeful hardware design — manufactured in the UK and centred around our software platform.

The Giraffe product range

- [x] Rapidly Deployable CCTV Tower
- [x] Mobile Security Unit
- [x] The Edge Controller and our software platform
- [x] MeerCam™ (patent pending)









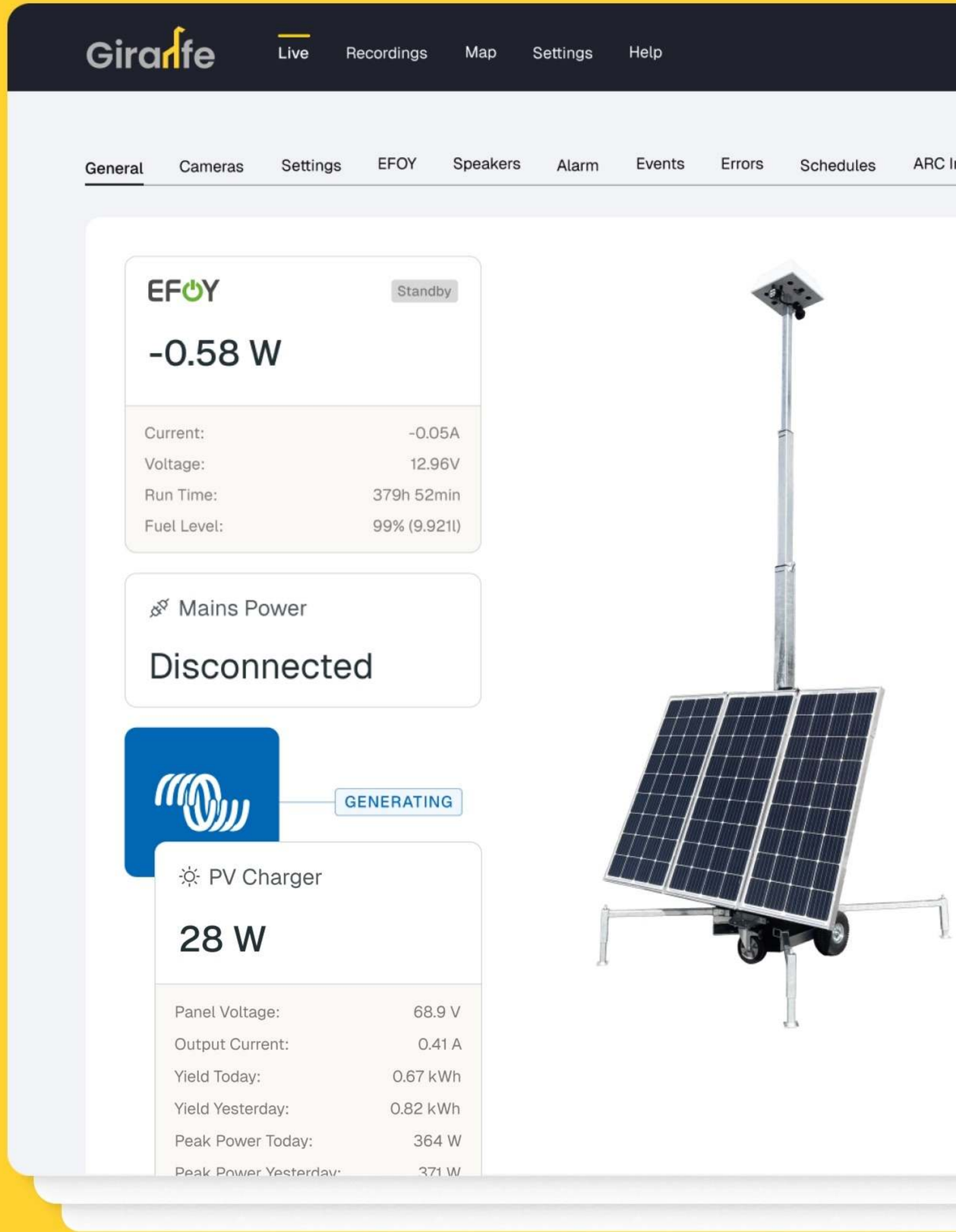
We create the software

Innovation at Giraffe goes far beyond hardware. We streamline the entire fleet management process for rapidly deployable CCTV units, driving operational efficiency and cutting costs. It's the only true front-to-back, single-pane-of-glass fleet management platform on the market — and now it's enhanced by our own agentic AI.

Just some of our software features

- Live view, feature rich cloud recording
- Any camera brand, any camera
- Single, secure, dual factor authentication login
- Our own agentic AI module - Virtual Security Guard

DISCOVER MORE ABOUT
GIRAFFE SOFTWARE



Giraffe software

Giraffe's cloud-driven architecture simplifies CCTV deployment and centralised management across fleets of any size. Engineered for scale. Designed for control.

- One powerful interface for live video, playback, alerts, and full system control
- Complete visibility of power, connectivity, and device health across your estate
- AI-driven detection for people and vehicles with instant automated responses
- Remote control of cameras, lighting, audio, and user access from anywhere
- Integrated power monitoring with real-time insights and historical performance data
- A secure, scalable platform designed for access from any location



Virtual Security Guard (VSG)

This is what modern security looks like. Virtual Security Guard - powered by the Giraffe Edge Controller - transforms any tower, MSU or MeerCam™ into an instant deterrence engine, detecting intruders and challenging them in seconds.

No waiting for operators. No waiting for response teams. Just immediate, intelligent action at the edge. It's the closest thing to having a guard on site, without putting a guard on site.

Available across all Giraffe surveillance platforms, with full retro-fit capability for legacy towers when paired with the Giraffe Edge Controller



The Giraffe operating platform

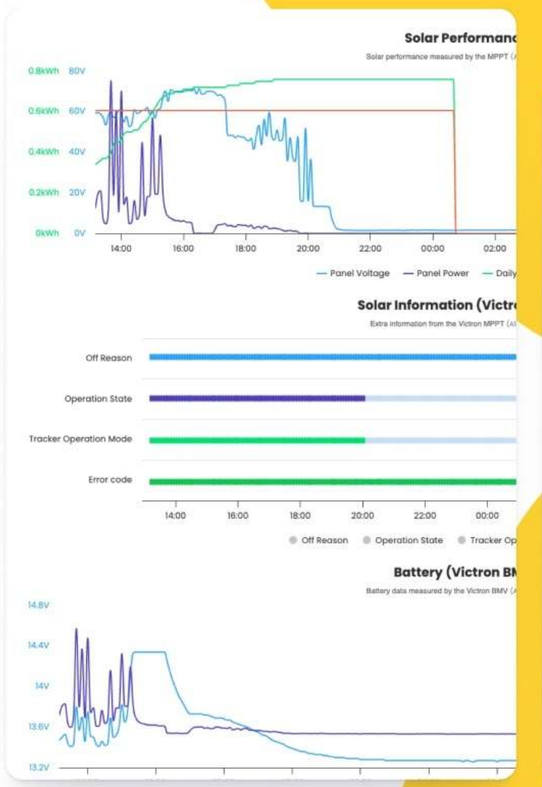
Cloud-based, beyond the VMS

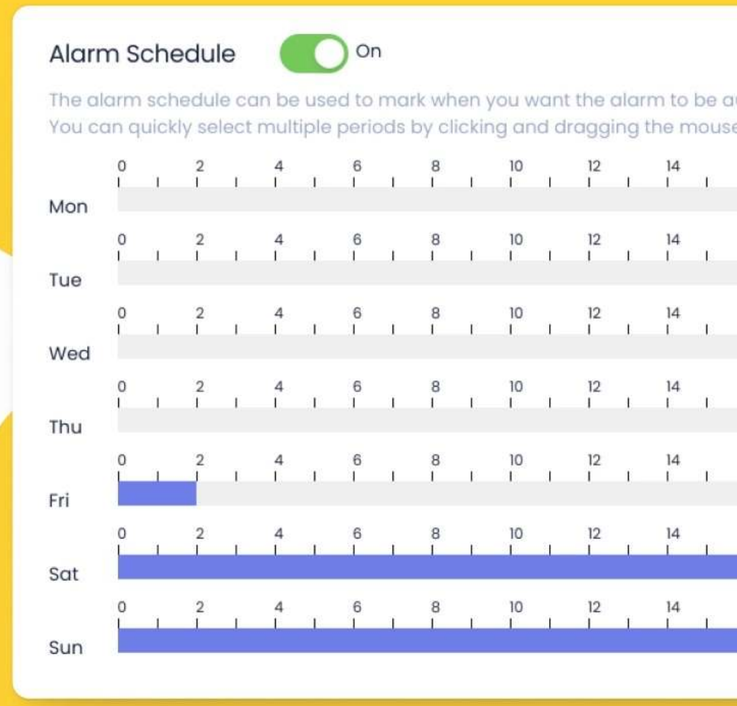
The Giraffe Platform is more than just a VMS—it's a fully integrated, cloud-based remote tower management system, accessible from any internet-enabled device with minimal training required.

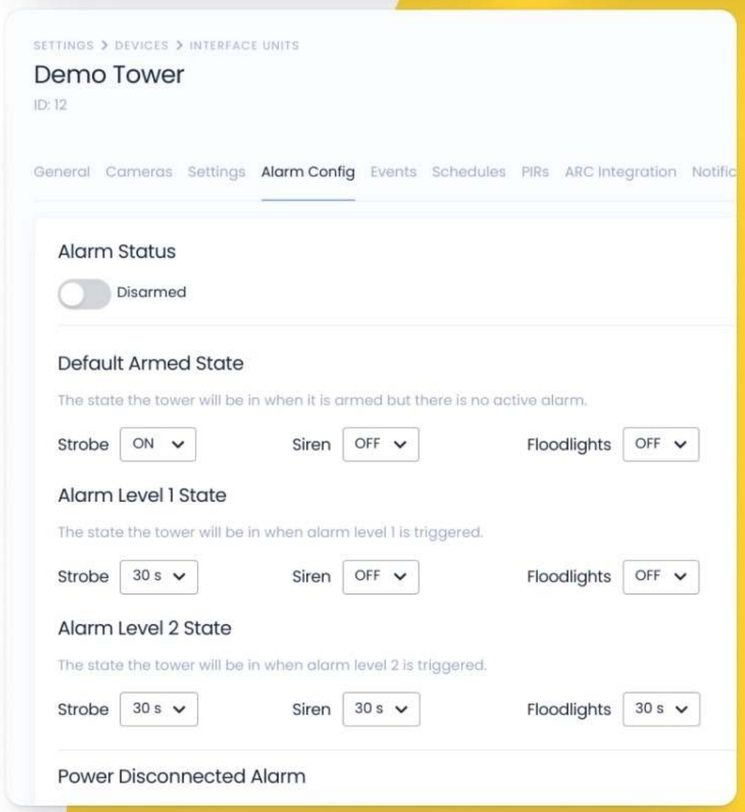
One login. Total visibility

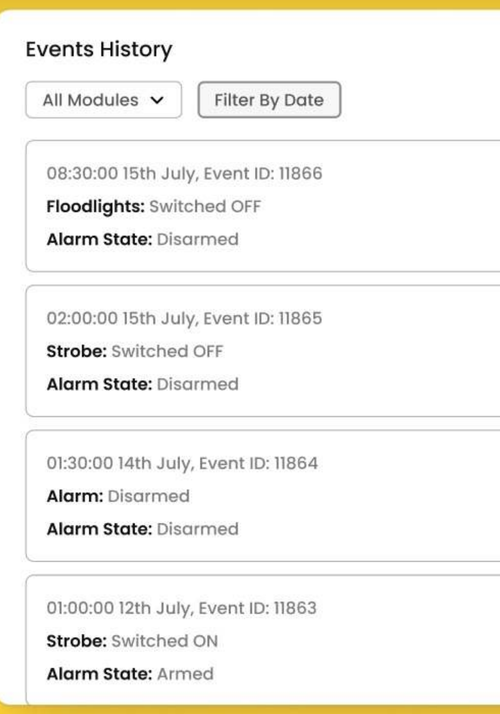
Giraffe offers a true single pane of glass experience—something no other platform delivers. With one login, you can manage your entire fleet of CCTV towers, combining front-end video operations (live view, playback, alerts) with backend infrastructure oversight (battery, solar, and data management) in a single unified dashboard.

Control cameras, live talk-down, sirens, floodlights, strobes, and user permissions—all from your browser. Whether you're managing a single site or multiple deployments, Giraffe centralises everything for unmatched operational efficiency.









Giraffe CCTV Tower

Solar and batteries

Fully integrated, rapidly deployable CCTV towers for reliable site security.

Core Features

- **All-in-one system:** cameras, power, connectivity and deterrents
- Solar or mains powered with lithium batteries for **24/7 operation**
- **Fast deployment** with minimal setup
- **AI detection** with lighting, audio and alarm-based deterrence
- Remote access and full system **control from anywhere**
- **Scalable solution** with low operational overhead

DISCOVER MORE ABOUT
GIRAFFE CCTV TOWERS HERE



The Giraffe CCTV Tower

The Giraffe CCTV Solar Tower — solar or mains powered — is built around our own Edge Controller running the full Giraffe operating platform. It delivers a modern, rapidly deployable CCTV solution at a competitive price, giving the industry a purpose-engineered alternative to costly, unreliable in-house builds.

A smarter tower. A smarter approach. A smarter future for deployable CCTV.

Specification Highlights

- Giraffe operating platform
- Camera agnostic
- Active Threat Detection with VSG
- Optional mains power connection
- High power floodlights
- Strobes and alarms
- Competitively priced with remote technology support
- 570W solar panels, folding design for ease of deployment and protection in transport
- Door tamper alarms
- Fleet management on a global basis
- Safe lithium battery technology to deliver 24/7/365 operation
- Designed to reduce operational costs
- Designed for rapid deployment
- Live talkdown
- On board analytics
- 6 hot swappable battery slots
- Compatible with EFOY fuel cells
- Multi-SIM router with secure VPN







Monitoring

Battery life monitoring and reliable estimation of remaining time

Active Threat Detection

AI driven active threat detection automatically trigger outputs

Notifications

Configure exactly which events you are alerted on

Remote control

Easily reboot cameras and troubleshoot without site visits

Configuration

Easily configure PTZ pre-sets and PIR sensors, set up schedules

Artificial Intelligence

On board 4.6 teraflops AI processor to run Giraffe's AI models

Solar

Comprehensive integration with Victron solar chargers

Cloud based

Multiple users, managed permissions and audit logs

Technical Specification

Power consumption	From 9.5W - plus cameras
Storage	1TB SSD - larger options available
Mains smart charger	Input 90-264V AC, 25A output
Battery type	$LiFePO_4$
Battery capacity	Up to 21.5 kWh
Run time (with no solar charging)	39 days (6 batteries @ 23w average consumption)
Overall height	5.4m
Overall weight	400kg + 25kg per battery
Solar panels type	3x 190W Monocrystaline
Solar panel configuration	570W, series, ~60VOC
Overall footprint (legs collapsed)	951mm x 896mm
Overall footprint (legs extended)	1820mm x 1930mm

Anywhere, anytime

GPS remains online for years, even when main batteries are disconnected

Easy access

Simple access with email address and password, one off set-up

Single dashboard

Dashboard for site, permission and team management. All systems in one place

Secure viewing

Secure remote viewing over encrypted tunnels. Firewalled cameras with no direct access

Audit trail

Audit logs of who logged in, what they did and when as well as system events. Granular user permissions

Auto updates

Automatic remote software updates simplify fleet management - delivering new features and security updates

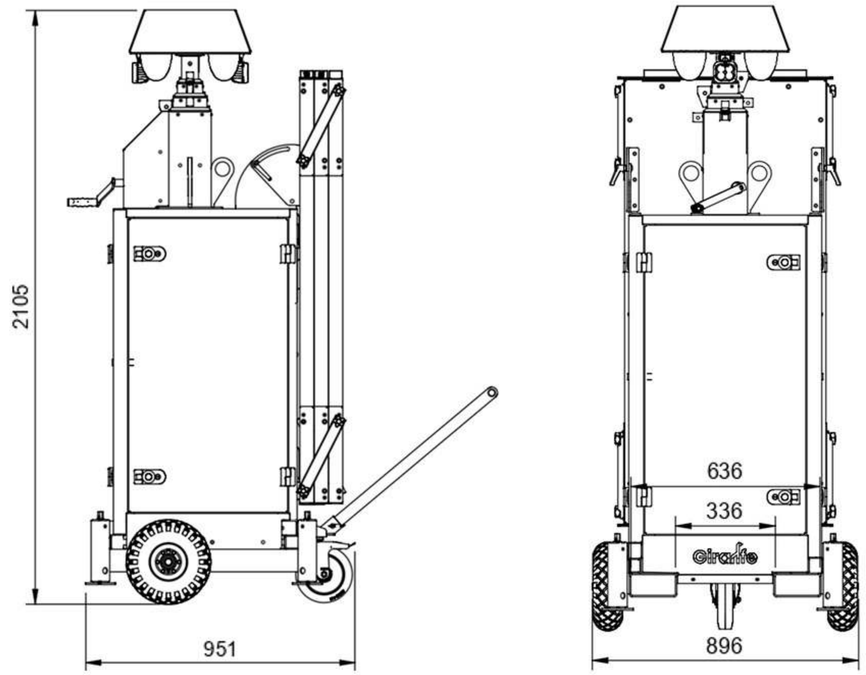
Secure login

Dual factor authentication and federated login systems for additional security

Comprehensive

Monitor everything in a deployable system - alarms, door status, mains power etc

CAD Model available on request







Mobile Security Unit (MSU)

Powered by our Edge Controller, the MSU connects straight into our enterprise cloud platform for instant access to AI detection, Live HD video, recording, and powerful operational management tools, all built for rapid, automated threat response.

It's a flexible, fully featured, competitively priced solution with a configurable hardware setup that supports multiple camera and lighting combinations, and even lets you use your own cameras. Lightweight. Fast setup. Full strength security.

- Quick installation on walls, poles or existing structures
- Fully integrated cameras, connectivity and deterrents
- Live monitoring, alerts and remote control via one platform
- AI detection with automated lighting and audio responses
- Supports mains, battery and solar power options
- Modular, scalable and easy to manage
- Agentic AI with Giraffe's Virtual Security Guard

DISCOVER MORE ABOUT
MOBILE SECURITY UNIT



Anywhere, anytime

Simple remote support and diagnostics from anywhere with no onsite visit

Easy access

Simple access with email address and password, one off set-up, dual factor authentication

Single dashboard

Dashboard for site, permission and team management. All cameras/all sites in one place; simple user permissions

Secure viewing

Secure remote viewing over encrypted tunnels. Firewalled cameras with no direct access



Monitoring

Battery life monitoring and reliable estimation of remaining time

Active Threat Detection

AI driven active threat detection automatically trigger outputs

Notifications

Configure exactly which events you are alerted on

Remote control

Easily reboot cameras and troubleshoot without site visits

Configuration

Easily configure PTZ pre-sets and PIR sensors, set up schedules

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On board 4.6 teraflops AI processor to run Giraffe's AI models

Solar

Comprehensive integration with Victron solar chargers

Cloud based

Multiple users, managed permissions and audit logs

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Easy access

Simple access with email address and password, one off set-up

Single dashboard

Giraffe software platform for easy remote management

Secure viewing

Secure remote viewing over encrypted tunnels. Firewalled cameras with no direct access

Technical Specification

Power consumption	Min 15W, average 22W, Max 85W
Storage	1TB SSD - larger options available
Input power	Mains input 90-264V AC or regulated 12v input
Strobe lights	1 x blue, 1 x red, controllable flash pattern
Internal battery backup	7Ah, approx 4-7 hours
Operating temperature	-40°C - ~60°C

Giraffe Edge Controller

The Edge Controller is the intelligence behind every Giraffe surveillance system.

It brings live video, recording, AI detection, system health, power management, and device control together into one powerful, enterprise-ready platform, all running directly at the edge for maximum speed and reliability.

Designed for both new deployments and upgrades, the Edge Controller can also be retro-fitted into legacy CCTV towers and trailers, transforming older hardware into modern, high-performance security assets without the cost of full replacement.

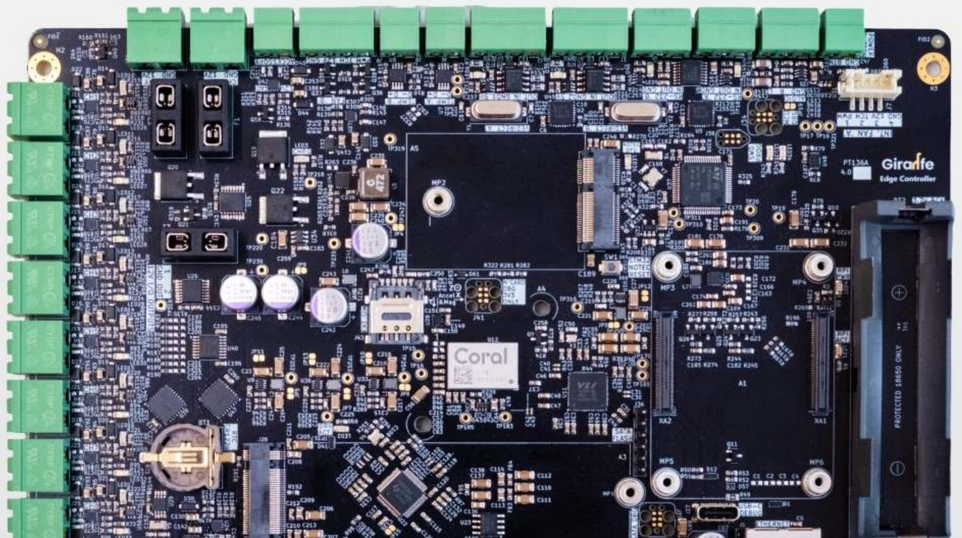
Smarter control. Faster response.
A future proof platform for any tower!

- AI detection with automated lighting and audio responses
- Supports mains, battery and solar power options
- Modular, scalable and easy to manage
- Quick installation via integrated DIN rail brackets
- Fully integrated cameras, connectivity and deterrents
- Live monitoring, alerts and remote control via one platform

DISCOVER MORE ABOUT
EDGE CONTROLLER







AI in Giraffe's Edge Controller

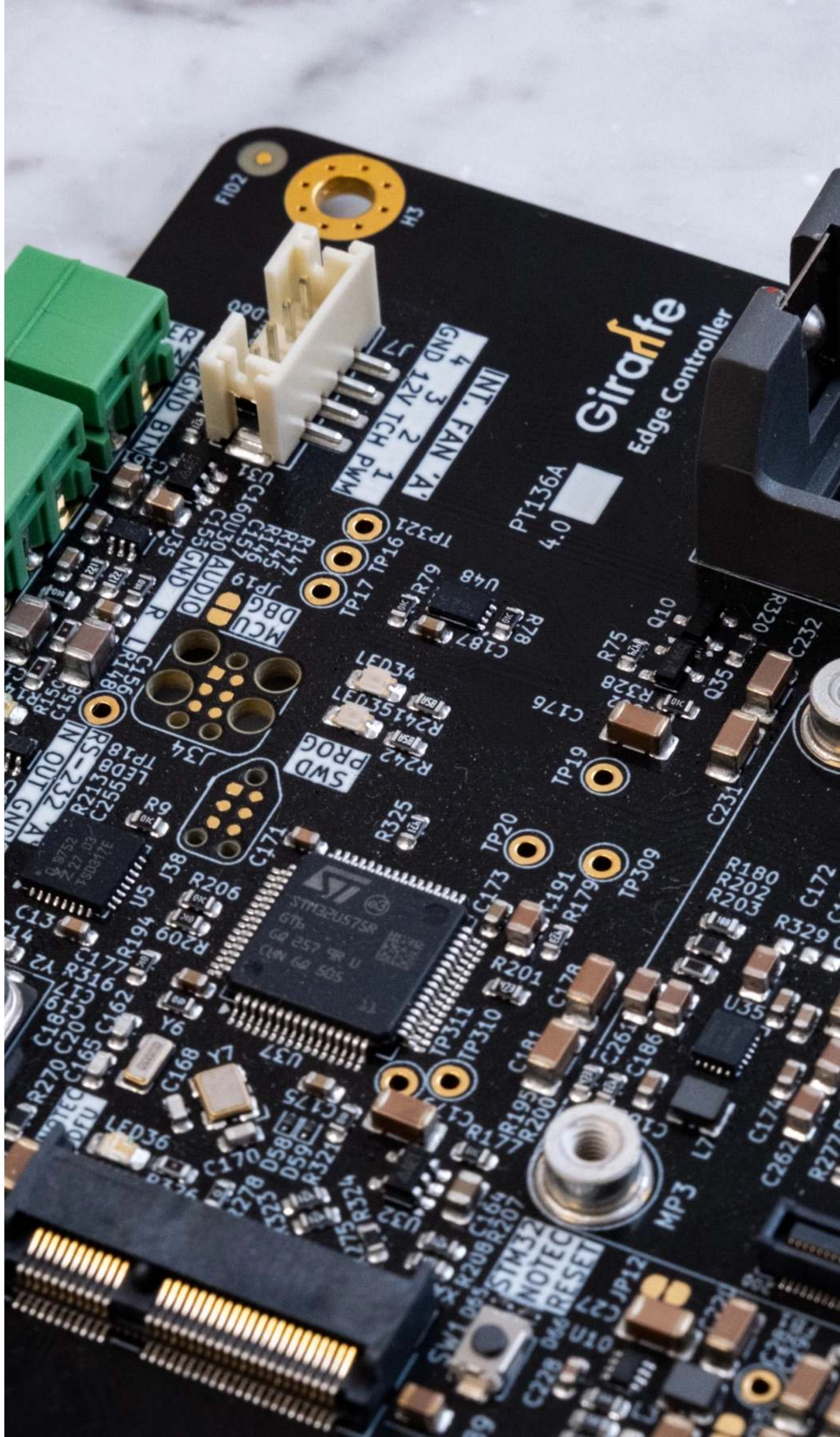
Giraffe's Edge Controller delivers exceptional detection accuracy through a dual-stage AI architecture. At the edge, a dedicated AI accelerator runs advanced on-board models to identify real activity with speed and precision, independent of bandwidth or cloud latency.

Every event is then passed through a second layer of cloud-based AI filtering, adding further verification to dramatically reduce false positives and ensure only meaningful alerts reach the monitoring team.

For installers and ARCs, this means cleaner signals, fewer nuisance alarms, and faster, more confident responses. For end users, it means a safer, more reliable site with intelligence working continuously in the background. By combining edge performance with cloud-level refinement, Giraffe delivers a smarter, quieter, and more trustworthy surveillance platform.

Technical Specification

Power & cooling	~3W average. Passively cooled via built in heatsink.
Storage	M.2 SATA 2280 slot
Power specifications	12V input, max 15A throughput
Outputs	8 eFused outputs, 7.5A max each (can be paralleled)
Inputs	8 3-18V digital inputs
Operating Temperature	-40°C - ~60°C. Passively cooled via heat sink
Compute	Based on Raspberry Pi. 4 terraflops AI accelerator
Serial connectivity	2 x RS232, 2 x Victron VE.Direct
Other features	2x fan controllers. External power button with LED
Network connectivity	Compatible with most mobile routers. Built in low power modem for remote reset and reboot



MeerCam™

Compact, flexible CCTV system delivering tower-level capability in a smaller format.

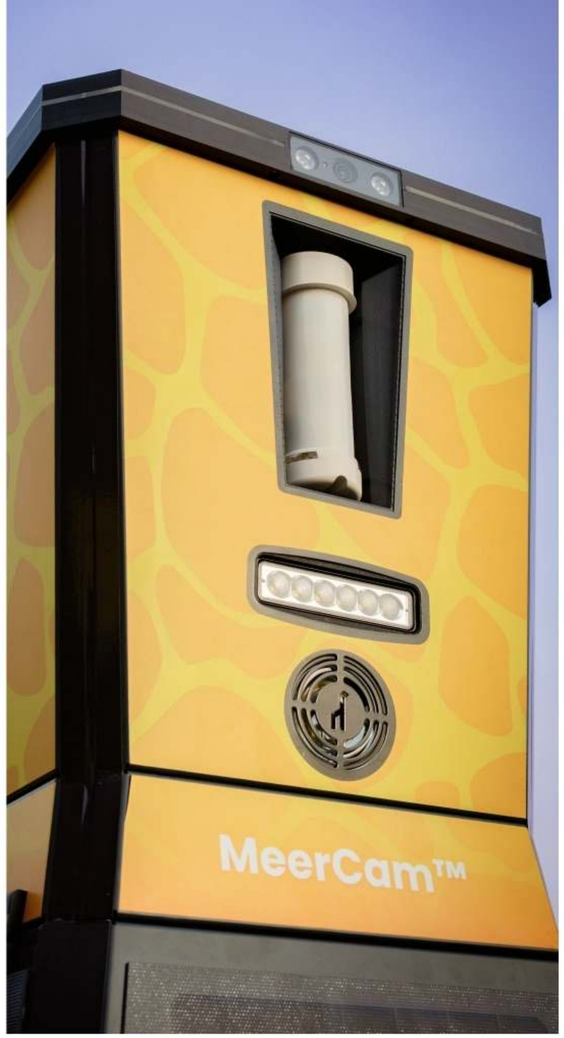
What makes MeerCam™ different?

Unlike traditional pod style systems using Ajax technology that only send low-quality snapshots to an alarm receiving centre, MeerCam™ delivers true Live HD video and recording capability that gives you real visibility, not guesswork. MeerCam™ brings tower-level performance in a compact form, offering full video management and the same powerful back-end features as Giraffe's proven Edge Controller platform. It's everything you expect from a full CCTV tower, and more.

- Rapid deployment in a cost-effective, portable unit
- Live video, recording and alerts via a single platform
- AI detection with automated responses and active deterrence with optional VSG
- Integrated lighting, audio and alarms
- Designed for reliable outdoor use with efficient power management
- Easy to transport, install and redeploy

DISCOVER MORE ABOUT MEERCAM™





360 live view

Four cameras with a 110 degree field of view ensure there are no blind spots

Instant wakeup

During sleep the MeerCam™ uses only about 4W. It can be woken up remotely on demand or by the PIRs. It takes less than 2 seconds to wake up.

Secure login

Dual factor authentication and federated login systems for additional security

Customer app

MeerCam™ comes with its own mobile app that can be rebranded with your company branding

Monitoring

Remotely monitor the physical health of the MeerCam™

Solar monitoring

Remotely monitor solar performance via the Victron serial integration

GPS

Monitor the GPS location even when the MeerCam™ is switched off

Audit trail

Audit logs of who logged in, what they did and when as well as hardware events. Granular user permissions

Battery monitoring

Precise battery monitoring based on amps, not voltage

Artificial Intelligence

On board 4.6 teraflops AI processor to run Giraffe's AI models

Active Threat Detection

AI driven active threat detection automatically trigger outputs

Floodlights

Powerful 18w floodlights on each side to deter potential intruders immediately

Live talk down

Make live audio challenges or play pre-recorded sounds

IR lights

Built in powerful IR floodlights for improved night vision

Single dashboard

Giraffe software platform for easy remote management

Anytime, anywhere

GPS remains online for years, even without batteries connected

Power consumption	~0.4W during sleep, 8W with 4 cameras running, 10-12W with IR LEDs on.
Wake up time	< 2 seconds to cameras recording
Camera	4 x Sony IMX662 sensors with Starvis2. 1920 x 1080P
Speakers	4 x 15W speakers
Solar panels	4 x 43W panels
Expected battery life	Autonomous all year round in normal operation





MeerCam™ vs Ajax-based POD / PID solutions

Comparing true CCTV surveillance with alarm based POD/PID Solutions.
What risk demands, MeerCam™ delivers.

CATEGORY	GIRAFFE / MEERCAM™	AJAX PODS / PIDS	BUY MEERCAM™ IF YOU WANT
System	✓ CCTV surveillance pod	✕ Alarm POD	CCTV
Video	✓ Live 1080p viewing across multiple cameras / 360° coverage with ARC integration	✕ No true live CCTV; photo verification only	Live view
Recording	✓ Full recording during events with immediate cloud sync	✕ No continuous recording	Recording / evidence
AI	✓ AI-supported detections and Virtual Security Guard workflow	✕ Basic alert / detector logic	AI
Deterrence	✓ Floodlights, talk-down, strobes, AI & remote response	✕ Siren / beacon response	More than an alarm
Power resilience	✓ A robust solar-battery architecture built to keep you fully off-grid for well over a year	✕ Small scale alarm pod power model with frequent battery swaps	Long term performance
Fleet Management	✓ Single pane of glass for video, health, GPS, battery, solar, audit, permissions and troubleshooting	✕ Alarm app & device management	Single pane of glass fleet management
Best fit	✓ Assets at risk where evidential CCTV & multi-site managed security is important	✕ Lower-risk temporary alarm coverage	Remotely deployable CCTV

About Giraffe

Giraffe is a UK-based technology company specialising in rapidly deployable CCTV systems.

Mission

Our mission as a business is clear. We want to want to rethink rapidly deployable CCTV systems.

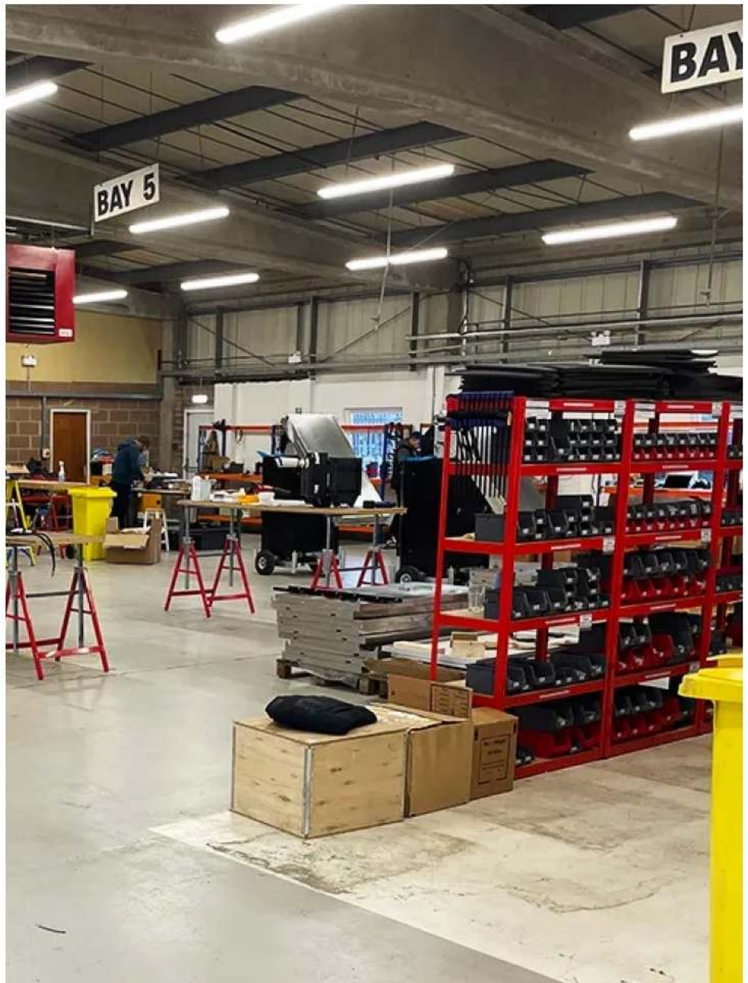
Vision

Our vision is to develop a range of products built around our operating platform and our Edge Controller, that equip security companies across the globe to meet the ever increasing demands of their customers who want to protect their assets in remote locations.

- Founded in 2012, focused on mobile and remote security
- Designs hardware and software in-house for full integration
- Combines video, power and system control into one platform
- Enables complete remote management of deployed systems
- Focused on reliability, efficiency and ease of use at scale

DISCOVER MORE
ABOUT US









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