



Tempest: Complete Security Monitoring, Built for the Real World

We fixed the bits that others missed. Built by experts. Designed for professionals.

Tempest is a professional-grade Network Video Recorder that gives you total confidence in your system.

It records everything locally, with optional cloud backup – and flags anything that could stop it doing its job.

Designed and built in the UK, it spots the failures others miss – before they become problems.

Tempest Core Capabilities

ADVANCED NVR

ACCESS-CONTROL INTEGRATION

RECORDS EVERYTHING

LONG TERM VIDEO RETENTION

1-CLICK VIDEO EVIDENCE EXTRACTION

ON-BOARD AI PROCESSING

24/7 ASSET PROTECTION

REDUCED FALSE POSITIVES

LOW INTERNET BANDWIDTH

REAL-TIME ANALYTICS



What Makes Tempest Different?

Works with everything.

Old cameras, new cameras — IP, ONVIF, analogue, CSI. Full support

Unbeatable latency.

LiveView so fast, it feels like you're there. It simply can't be done quicker.

Built for unreliable networks.

Designed to thrive over poor patchy 4G/5G, or congested connections. No drama.

Runs on professional hardware.

Professional-grade hardware — not hobby boards or cheap appliances.

Total system confidence.

If anything stops working — camera, network, storage, anything — Tempest knows, and tells you. So you know your system's working 100%, 24/7.

Real-time response.

Actionable AI insights and event triggers happen instantly — not hours later, or after it's too late.

Business-ready integration.

Tempest connects with access control, building systems, and business tools — because surveillance is just one piece of the puzzle.



TEMPEST: EDGE

- 16 x AI channels
- 128 x live monitoring cams
- Fast install, minimal setup

Designed for rapid deployment in professional environments. Ideal for installers, integrators, and security teams who want results straight out of the box.



TEMPEST: EDGE SERVER

- 128 x AI channels
- 1024 x live monitoring cams
- Built for enterprise-scale operations

Suited to complex or high-throughput environments where resilience, control, and deep integration are key.

Who Are We?

We're a British company with over 20 years of experience designing advanced vision systems — from national security agencies and police forces to everyday surveillance products.

We love building smart, useful tech — but the industry hasn't kept pace. Legacy platforms are slow, hard to use, and prone to failure.

Tempest is our answer: a fresh, modern surveillance platform that works the way it should. If your job is to keep people and assets safe, Tempest was built for you.

Engineered in Great Britain. Made for EVERYONE.



TECHNICAL SPECIFICATION

SMART STREAMING	Streaming performance	Supports meta-data AI inference transmission (sub 1 Kbps)
	Connection	AES encrypted and optimised for lowest industry bandwidth (SCTP/UDP protocols)
VIDEO STREAMING	Streaming performance	Multiple camera streams; any resolution/fps depending on available bandwidth
	Streaming connection	Secure encrypted link; tested over even the most unreliable networks
	Playback	Full remote video control; playback from any recorded time
	Evidential video maker	Create evidence videos for instant sharing (MP4) + redaction + time/info overlays
	High-resolution image retrieval	Enhanced / scaled image retrieval (JPEG) + redaction + time/info overlays
RECORDING	Recording performance	record from camera, record transcoded with time overlay
	Security	AES-256
	Storage	Fixed storage and removable USB sticks / SD cards / external hard drive
		Auto remote repair of storage + hot-swappable
		Encrypted + long term local retention of events
	Typical recording duration	Choose from optimised for quality or duration
CONNECTIVITY	Cellular	System transmission is optimised for cellular connections
	WIFI	Supported
	LAN	supports variety of LAN based connections & MTU sizes
DIAGNOSTICS & MAINTENANCE	Remote configuration	Plug in and go. 100% remote configurable
	Health monitoring	Reports on system health incl. internals, heat, network attacks
CAMERA INPUTS	Video Input Format	IP cameras with RTSP and/or ONVIF + (subject to HW => analogue + CSI)
		Support 100s of cameras per device (ideal for large installations)
	Audio	from IP cameras or IP microphones
	PTZ	IP cameras via ONVIF / PELCO
ANALYTICS	Various models available	People/vehicles/ANPR/QR (enhanced searching)
	Motion detection	triggering/notifications/meta-data extraction
	External triggers	APIs / UART interfacing with external systems
	Events database	Maintains list of events
HARDWARE CHARACTERISTICS	CPU	ARM / Intel supported
	DDR	Typically 2GB minimum (depends on feature-set)
	Encryption	Yes
	Neural AI accelerators	Intel / NVidia
	HW video codecs	Tempest supports systems with and without HW video codecs
SOFTWARE ARCHITECTURE	Security	Vulnerability tested to UK government standard + NDAA compliant
	Connectivity & distribution	Tempest is periodically upgraded for feature additions and improvements

Deeper information available under NDA.