



**THE UK'S LEADING RANGE OF
STAND-ALONE, FULLY INTEGRATED,
RAPIDLY DEPLOYABLE, MOBILE
CCTV SECURITY SOLUTIONS.**

SMART TOWER

**The smarter way to protect remote
and temporary sites, 24 hours a day**

- Any budget
- Any environment
- Any infrastructure

Low infrastructure requirements

- No mounting
- Green power option
- No communication installations

- Scalable network intelligent image processing
- Advanced thermal imaging option
- Environmentally friendly
- VPS Patented technology
- Full service offering
- Various power options, including hard wired with up to 72 hour battery back and Hydrogen fuel cells for complete wire-free operation
- Fully accredited BS8418:2015 & BS5979 Cat 2 ARC/RVRC

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FOR EFFECTIVENESS AND ECONOMY, NOTHING TOPS A VPS SMART TOWER®

As specialists in temporary and remote site security, we understand how important it is to deliver a cost-effective solution without compromising on protection.

The VPS Smart Tower range is a modular product that incorporates all the components you'll need to provide effective CCTV monitoring and recording in a robust and rugged housing. A vandal-resistant pan-tilt-zoom camera is supplemented with infra-red and white light illuminators, a variety of movement detectors, a digital recorder and a public address system.

Designed for ease of installation and relocation where necessary, VPS Smart Tower units utilise wireless communications technology to minimise disruptive cable runs and virtually eliminate any ground work or infrastructure requirements. An uninterruptible power supply ensures the system remains functional in the event of power failure.

The Smart Tower can be built to the customers specification, taking into account the size of the project, the risk level, the budget and the topography. As a fully modular product the Smart Tower has many applications, depending on the enhancements used. Compare the VPS Smart Tower to manned guarding and you'll immediately recognise its benefits. A VPS Smart Tower can detect multiple intrusions simultaneously, remain fully alert throughout the night and is immune to bribery, coercion and threats. So for a cost-effective and far more effective solution, there's only one choice - VPS Smart Tower.

Applications

The versatility of the VPS Smart Tower range is second to none. Deployed in 1000's of sites across the UK, its many applications include:



Construction

Utilities & Electricity



Highways & Rail

Pipeline & Tunnels



Infrastructure

Events



The entry level VPS Smart Tower:

- Integrated, modular rapid deployment CCTV system
- PTZ camera with integrated intelligent IR illumination (with up to 150m night vision) standard resolution & industry leading HD
- 32 Radio PIR detectors
- 64GB SD card providing up to 31 days recording at 12 pixels per second
- Live Audio challenge facility
- Uninterruptible power supply for up to 4 hours or 15 hours with battery backup
- Un-steered sim uses all networks to ensure connectivity. Data stored on our own private network, ensuring data security and keeping us fully in-line with GDPR.
- Multiple anti-tamper mechanisms, including anti-masking and anti-shock
- Extendable mast up to 7m
- PIR sensors can be placed up to 1km away from the Smart Tower unit
- Field proven
- Multiple system failure alerts, including camera failure, hard drive failure or power failure

As a fully modular product the VPS Smart Tower can accommodate a number of enhancements to expand the functionality of the tower.

Smart Tower – Enhancement Options – Power, Communications & Recording:

- First rapid-deployment CCTV to use thermal imaging cameras
 - Range options from 100m to 1km
 - Zero-light operation using state of the art technology
 - Unaffected by rain, snow, fog, smoke and mist
 - Reduced false alarms (e.g. foliage, objects blowing in the wind, wildlife)
- Supplemented by PTZ camera with long range infrared up to 1km
- Optional HD cameras according to site requirements
- Optional Web cameras/ time-lapse
- Powerful intelligent video analysis engine
- Optional Radiometric heat cameras for Fire Detection

- Optional additional cameras (ANPR, Panoramic, People counting and many more)
- Satellite & fluid mesh communications options available
- Real-time recording in HD
- Artificial Intelligence providing enhanced detection and reducing false alarms.

Power options:

- Mains + 96hrs battery back-up for generator-free nights and weekends
- Hydrogen fuel cell provides maintenance-free, zero-emission operation
- Reduction in noise pollution
- BS8418:2015 compliant
- Diesel savings = free security



Technical Specification

System Features	VPS Smart Tower
Vandal resistant pan-tilt-zoom (PTZ) camera (IP68)	✓
White light illumination	✓
Infra-red (IR) illumination	✓
Up to 32 wireless alarm detectors with configurable PTZ pre-sets	✓
Thermal detection and video capture camera	Optional
Live audio challenges	✓
Up to 30-day digital recording via SD card	✓
Off-site video alarm transmission	✓
Remote monitoring	✓
On-site viewing	Optional
Uninterruptible power supply (UPS)	✓
External battery packs	Optional
Low battery warning via monitoring station	✓
Mains failure warning via monitoring station	✓
Tilt and tamper alarm	✓
Anti-climb spikes	✓
3G, 4G & Wi-Fi connectivity	✓
Site based network	Optional
Keypad operation	Optional

Specifications		
Power	Power options	Mains (90-305V AC), 24VDC, hydrogen or generator
	Operating power	135W
	Backup power (UPS)	Up to 15 hours or (EPB) 72 hours
	Hydrogen options	Totally wire free operation
Weight and dimensions	UPS charge time	Less than 7 hours via mains
	Tower weight	295kg
	Base size	1m x 1.1m
	Base size with stabilisers	1.5m x 1.5m
Environmental	Tower height delivered	3.2m
	Tower height operational	7.5m
	Storage temperature range	-10°C to +40°C
	Operating temperature range	-10°C to +40°C
	IP rating	IP65
	Wind loading	110 mph



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Accreditations

