

Wireless Temp CCTV PIR Solution

Temporary additional security option
for added peace of mind



Overview

Clearway wireless intruder alarms utilise powerful, reliable battery systems to keep careful watch over your assets, without requiring any cabling, power supply or maintenance to keep them running correctly. This makes them a rapid and easily deployable security solution with an impressive specification: high definition imagery both day and night, reliable 2.4GHz for fast data transfer and Artificial Intelligence (AI) based threat detection.

Advanced sensors ensure that whatever the scenario and however remote the property or site, if any unauthorised entry is attempted, your wireless intruder alarm will be instantly activated.

Indoor and outdoor PIR camera sensors provide colour images in daylight/bright light and black and white images in low/limited light via the in-built infrared lighting.

Applications

The Clearway solution is ideal for temporary sites, boat yards, car parks and many other outdoor applications.

- Vacant properties.
- New build constructions in progress, particularly where scaffolding is in use.
- Remote locations where mains power is unavailable.
- Sites where it is complicated to install hardwired systems.
- Large spaces of open land, where broad coverage is vital.
- Short-term security where cabling is impractical or electricity is not available.
- 'Trap' detection.

Features & benefits

- ✓ Intelligent video analytics
- ✓ Covert infra red
- ✓ Advanced long-range PIR
- ✓ Tamper alarm
- ✓ Rapid deployment - installation in just a matter of minutes
- ✓ No cabling means less Health & Safety concerns
- ✓ Remote viewing via APP
- ✓ Cheaper than traditional guarding solutions
- ✓ Focus on high value / risk areas
- ✓ Full HD day images
- ✓ High quality night images
- ✓ Reliable and secure 2.4GHz low-power radio
- ✓ Significantly reduced false alarms

Using secure, tamper-proof batteries means that your alarms remain on high alert, 24/7 all year-round.



PRODUCT BRIEF & TECHNICAL SPECIFICATION
Clearway Wireless Temp CCTV PIR Solution

Full HD day images

- 1920x1080 pixel crystal clear colour images
- Internal storage for 2000 full quality RAW images

High quality night images

- 1280x960 pixel high-quality monochrome images
- Powerful 940nm near-infrared flash illumination
- Person visible up to 30m / 98ft away in complete darkness



Reliable and secure 2.4GHz low-power radio

Fast data transfer for up to 500m / 545yd line of sight or circa 100m / 109yd obstructed



Installs in minutes

- Simple three-step installation
- Easily adjustable for directional fine tuning

Impressive battery life

Battery life up to 400 days or up to 50,000 events

Additional power options

Add a solar panel, an extra battery pack or a mains charger for even longer autonomous operation

Significantly reduced false alarms

- 30m / 98 ft detection range
- Remotely adjustable detection sensitivity
- Artificial intelligence based threat recognition

Rugged & lightweight

- Field-tested from -40°C to +60°C / -40°F to +140°F
- Light yet tough IP67 enclosure

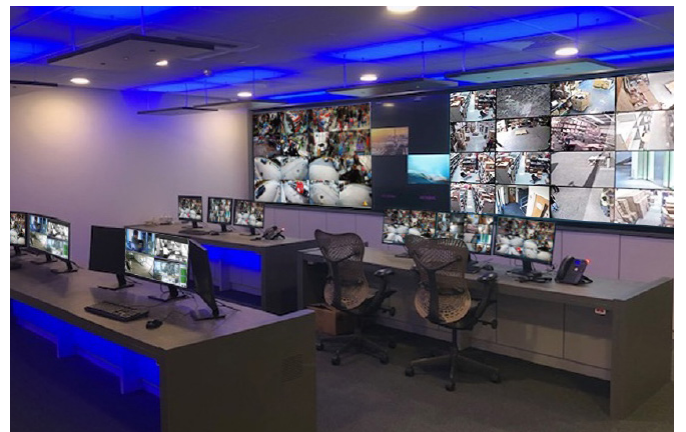
Round the clock response

Clearway wireless alarms can cover broad areas up to one kilometre wide with the option to detect a variety of risks, such as:

- Motion and intruders
- Breaches of perimeters
- Opening doorways or windows



On activation, an alert is sent immediately to our NSI Gold II Alarm Receiving Centre (ARC). This dedicated facility is available around the clock, with trained response personnel on hand to initiate your preferred response protocol or to liaise with emergency services.





Technical information

Specifications - General	
Operating temperature range	-40°C to +60°C
IP rating	X7 (waterproof)
Weight (including battery)	700g
Dimensions	85x120x100mm

Short Range Radio	
Short-range 2.4GHz radio is used for two-way communication between the detector and other devices.	
Standard	IEEE 802.11.4
Bandwidth	2 MHz
Data rate	250kbps
Modulation	QPSK
Antenna	3.7V
EIRP	12dBm
Security	ECC (secp160r1)
Authentication & encryption	AES 128
Max LOS distance	800m
Network topology	mesh

Battery	
Detector is powered by 1 rechargeable Li-Ion battery.	
Voltage	3.7V
Capacity	10.2 Ah
Lifetime	up to 400 days standby/ up to 50,000 events
Time to recharge	7-12 hours (depending on charge type)

Motion Detection	
Maximum detection range	35m
Detection angles	13° @ 30.5m, 28° @ 18.3m, 43° @ 10.7m, 154° @ 2.2m
Minimum alarm interval	Configurable (default 0s - limited by camera to ~1.5s)
Sensitivity	Configurable

Camera	
Internal memory	7.6GB
Storage capacity	1800+ images
Downloaded image size	Thumbnail ~20 kB
Day Camera	
Picture resolution	1920 x 1080
Raw image size	4.2MB
Horizontal angle	56°
Night Camera	
Picture resolution	1280 x 960
Raw image size	2.5MB
Horizontal angle	63°

Optional extras

Add a solar panel, extra battery pack or a mains charger for even longer autonomous operation.



See how we can help you, talk to our experts today

About Clearway

Clearway is a leading commercial security services provider specialising in the protection of people, property and assets. Growing organically and via acquisition, Clearway is managed by an experienced team with proven industry success and a clear vision for growth.

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