

inSite Wearable Safety Devices

Extra protection for those working in high risk/volatile/public facing environments



Product overview

Clearway has developed innovative wearable technology to help protect those working in high risk/volatile/public facing environments such as construction, highways, security and lone workers.

Current 'bodycam' solutions mean you need different devices for various activities. Clearway has amalgamated these into one piece of equipment for the operative/lone worker in the form of a bodycam.

Reducing roadworker exposure has been a real focus area across highway networks over the last few years, given the ever-increasing complexity of infrastructure projects and the unfortunate increase in roadworker abuse. Many network operators are turning to bodycam technology to record these incidents and help with remote support for engineers on the ground.

With the function to live stream, this also means less return visits to site, you can easily have your co-workers log in live to what you are looking at and solve issues in real-time on site, giving the view from the worker's eye level perspective. This also reduces the need for people to attend site for inspections and helps designers with technical queries.



BodyCam



Lone Worker

Why inSite Wearable Safety Devices?

- ✓ Deters and de-escalates threatening/aggressive behaviour towards staff
- ✓ Provides evidence via high quality video to support investigations and prosecutions
- ✓ Reduces false allegations and unjustified complaints against workers
- ✓ Record footage in areas not monitored by existing CCTV
- ✓ Footage can be used for training to further understand behaviours and security risks

Applications

- Construction sites
- Highways operatives
- Security
- Depots and schemes
- Retail





Innovative solution

The devices themselves are small and robust but packed with innovative solutions to support both the delivery of infrastructure projects and lone workers. 1080p recording onto the device and 720 live streaming allows any details to be picked up and with an intuitive online-based portal you can view live footage, review footage and even redact faces and numberplate information. This function allows videos to be shared for training purposes as well as in any publicity on dangerous occurrences caused by public interactions and altercations.

Real-time location allows people managers to know where their staff are at any point in time, distance travelled and how long they have been active online, the output of which supports things like fatigue management and operative deployment efficiencies.



Effective communications

Two-way communications and the broadcast function help with alerting workers to things happening on site at any given moment and for operative / lone worker check-ins.

The SOS alerting function allows a user to alert back to Clearway's NSI Gold Cat II Alarm Receiving Centre (ARC) and auto upload a pre-determined period of video into an evidence locker. This locker is where video you want to store is kept for a period of time in line with a client's GDPR policy, and users have the ability to redact information.

✓ CAPTURE ✓ RECORD ✓ DETER



1080 recording & 720 live streaming



12-hour lithium battery life - quick charging to protect every worker across every shift



Real time location



Redact faces & number plate information via online portal



Live SOS alerting back to our NSI Gold Cat II Alarm Receiving Centre (ARC)



Lone worker auto alerts for slips, trips & falls with inbuilt G sensor



2-way audio communications



The SOS alerting function allows a user to alert back to Clearway's NSI Gold Cat II Alarm Receiving Centre (ARC)



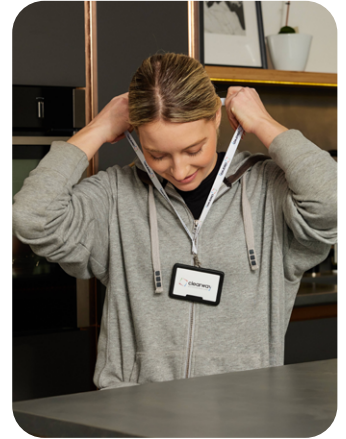
PRODUCT BRIEF

inSite Wearable Safety Devices

Improved protection

As well as the auto upload to the evidence locker, operatives in the monitoring station (ARC) can view live footage and give live instruction to the wearer. For instance, if the person carrying or wearing the device feels they're in danger, they can press the relevant button and then instantly connect to our monitoring station (ARC) or if an altercation with a member of the public is happening on site and the incident is escalating, the monitoring staff can alert the local police force and relay that information back to the operative/lone worker.

We have also developed the solution to have an inbuilt G sensor, this sensor allows automatic alerts to be sent through to the monitoring station (ARC) with any large impact like a slip trip or fall. The alarm is raised and two-way comms between the wearer and the monitoring staff can determine what course of action is required, if there is no response the real-time location nature of the solution means we can alert other team members or the emergency services where needed.



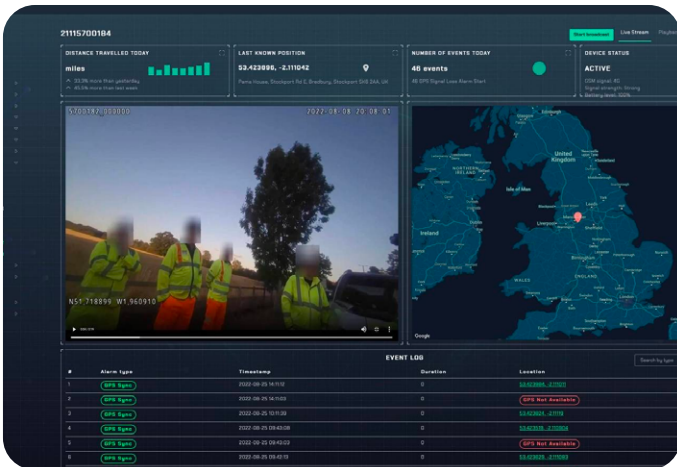
NSI Gold Cat II Alarm Receiving Centre (ARC)

At Clearway we have our own high security, 24/7/365, NSI Gold Cat II Alarm Receiving Centre (ARC), which provides complete peace of mind to all of our clients.



Alarm monitoring & handling

This facility removes the headache, expense and duplication of energies in providing facilities and staffing on projects where temporary monitoring and detection is required. We are licensed to monitor, react to alerts, and deal directly with incidents whilst operating a professional and transparent service to the highest recognised and audited standards in the UK.



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Bodycam Technical Information

Video	
Video input	1x digital built-in camera. Also supports additional external camera where required
Display	2-inch LCD screen
Recording resolution	1080p / 1296p / 1440p / 1512p
Frame rate	30 fps@ (1080p / 1296p /1440p) / 25 fps@ 1512p
Record mode	Simultaneous audio and video recording. On demand or continuous recording modes.
Compression	H.264 / H.265
Live video resolution	720p / 1080p / 1296p / 1440p / 1512p
Photograph	4M, 16M, 64M
Snap	Snapshot during recording (photo resolution based on recording resolution)
Storage	Embedded storage (32~128GB)
Audio	
Audio input	1x MIC input, supports intercom connection with USB
Audio record	Supports audio recording
Light source	
Flashlight	To increase visibility when you are recording or taking a photo in low light
Laser	Indicates the focal point of lens
IR	Up to 10 Metres
Radio	
Push to Talk	Two-way radio between different devices (requires cellular connection)
Intercom	Two-way radio between device and platform (requires cellular connection)
Lens	
Lens' angle	>115°
Protocol	TCP/IP
Network	
3G/4G	Embedded
WiFi	Embedded
Bluetooth	BT4.1

GPS	
GPS	Embedded
OSD	Display record time, device ID & location
Overwrite	Supported
Play back	Support play back, file listed by time and alarm
Features	
Play speed	Support from 1/128 to 128
Pre-recording/post recording	Maximum 10s pre-recording and 20s post-recording
Recording encryption	Supports recording encryption
Environmental	
Temperature	-40 – +60°
Humidity	40% ~ 80%
Time	Synchronised with GPS
Dual bit stream	Two different bit streams for recording and live streaming via 4G/3G
Indicator lights	Power, record, snap, audio record
Other	
Battery capacity	4000mAh non-replaceable battery, 4G device recording for about 12h - charging time is approx. 4h
IP Rating	IP68
Dimensions	83.2*54.8*29.8mm
Weight	Approx. 145g



Lone Worker Technical Information	
G cellular connectivity	
SOS and Man Down functionality	
Bi-Directional Intercom with IoT Platform	
SOS alarm notifications to IoT platform	
Man down & No movement alarm notifications to IoT platform	
Real Time GPS	
GeoFence	
5 Configurable buttons	
Bluetooth	
1050mAh battery	
IP30 rating	
93mm (l) x 64mm (w) x 10mm (d)	
80g	

Discover More



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