



VITAL TRACE®

BORDERLESS COMMUNICATION

Established in 2008, Vital Trace is a leading provider of custom cellular based communication solutions. With a combined experience of 70 years within the M2M market, we provide our customers with cost-effective, bespoke tagging, data packages and static IP address solutions. Vital Trace is able to offer an efficient, cost effective service anywhere in the world.

WHAT IS IP AiR?

IP AiR is an innovative, adaptable plug-and-play solution which provides the ability to stream video in real-time with a static IP address.

IP AiR solves the historic challenge faced by businesses who need to utilise very large data allowances of cellular (4G/5G) data with a static IP address, for example for use with CCTV cameras and secure transfer of video from the camera to control room. Up until now these types of combined services have typically been financially unviable.

The solution provides a static IP address overlay that can sit over the top of any communication transport medium, including; cellular, wireless, leased line and even satellite such as Starlink or Oneweb. Public or private static IP addresses can be supplied on one hardware platform, with a fixed price irrespective of preference.

With any cellular based communication network, security needs to be considered and in particular in the transmission of sensitive data, such as financial, CCTV / ANPR, Local Government, Police and Military information. A private static IP address sits inside a client's network giving that extra layer of high security and is not visible in the public domain. All our services also have full encryption of the data stream to AES 256 standard.

IP AiR

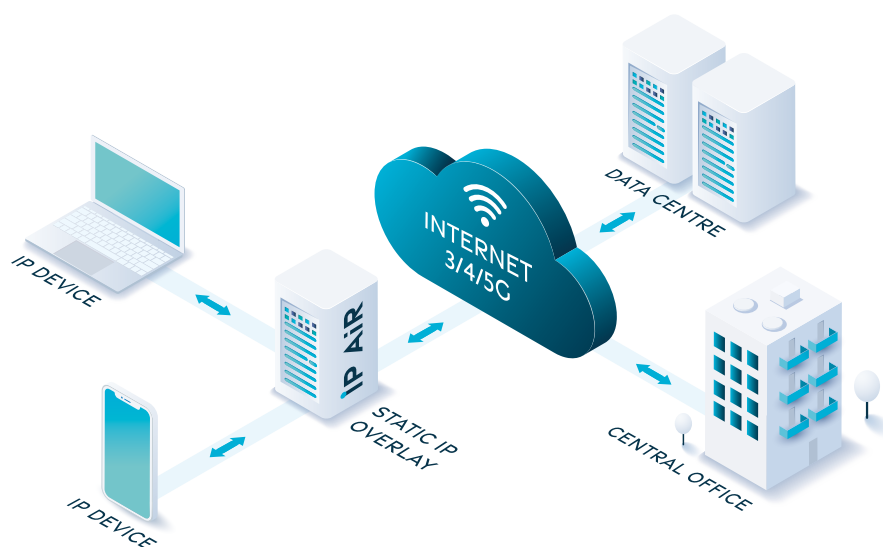
TECHNOLOGY

FEATURES & BENEFITS

- Ability to stream video in real-time with a static IP address
- Public or private static IP address
- Uninterrupted bi-directional communications
- No need for a DDNS server
- Removes the requirement for additional expensive hardware
- Seamless interface into any CCTV Video Management System (VMS)
- Cellular network agnostic – the solution will run on any cellular network globally
- Full encryption of data stream to AES 256 standard
- Dual network variant uses two different cellular networks with a primary and backup in the event of an outage providing additional service level reassurance
- Works with cellular, wireless, leased line, satellite incl. new technologies such as Starlink, Oneweb



HOW IT WORKS



APPLICATIONS OF USE

With its easy install and ability to incorporate into existing systems, the IP AiR has the capacity to benefit a wide variety of businesses, for example CCTV integrators, local authorities, security or access control hardware manufacturers and many more.

Due to the combination of unlimited data with a static IP address, the system is being used extensively for CCTV applications as it can stream continuous video in real-time, with a seamless integration into any visual management system. It offers bi-directional communication which means each camera can have an individual address allowing monitoring centres to manage specific cameras for surveillance of a site.

“Implementing the Vital Trace IP AiR solution into our CCTV system has given us for the first time the ability to stream CCTV in real time with a direct interface into our current VMS. This has allowed us to dramatically reduce the costs with the installation and annual revenue associated with leased fibre and to deploy new cameras into areas that previously were deemed economically unviable”

Chris Harrison – Control Room Manager, North Somerset Council

IP AiR has revolutionised how roadworks can be monitored particularly on major motorways. Historically, miles of fibre optic cable are installed, which is costly, requires generators and is prone to damage resulting in loss of continuity. The IP AiR enables the rapid deployment of cameras, powered by a solar rig therefore reducing install time, risk of connection loss and overall cost. This set up can be adapted for any temporary CCTV install which requires out of hours monitoring of a vulnerable target like construction sites.

Equally IP AiR can be a solution for wireless CCTV in public spaces where existing wireless links are now non-viable due to tree growth or new buildings or leased fibre is cost prohibitive.

These cost effective solutions are simple to execute and with the capability of being controlled from anywhere due to the 4G/5G connectivity they understandably appeal to not only the security sector but a diversity of vertical markets.

FIRST CLASS SUPPORT AND UNBEATABLE PRICES

Vital Trace strive to build great customer relationships to develop the very best tailored solutions to meet project requirements to get the most from any cellular data or tagging application. IP AiR is a versatile, reliable and powerful technology with a streamlined infrastructure that can be used in multiple settings globally. With the combination of a minimum of 650 gigabytes to unlimited data with a static IP address, and low monthly contracts the possibilities to improve security are endless.