



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.



VITAL TRACE IP AiR PWAN

ENCRYPTED PRIVATE WIDE AREA NETWORKING, ANYWHERE

WHAT IS IP AiR PWAN?

IP AiR PWAN is an innovative, adaptable plug-and-play solution which provides the ability to stream heavy usage applications such as video in real-time with a static private IP address.

IP AiR PWAN 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, where due to potential security concerns a public fixed IP address is not viable. Up until now these types of combined services have typically been financially unviable.

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

IP AiR

TECHNOLOGY

FEATURES & BENEFITS

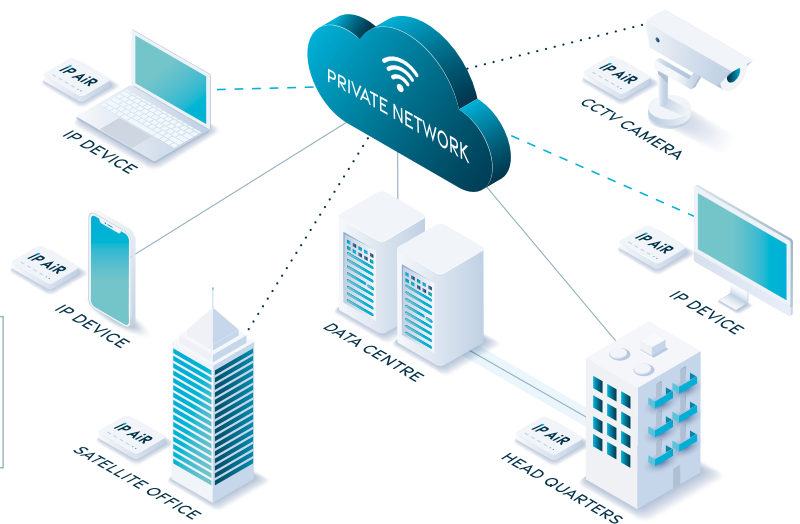
- Ability to stream video in real-time with a static private IP address 24/7
- Umbrella service that will sit over all transport mediums, cellular, leased line, broadband, satellite etc
- Uninterrupted bi-directional fully encrypted communications
- No need for a DDNS server
- Removes the requirement for additional expensive hardware
- Seamless interface into any CCTV Video Management System (VMS) or corporate network
- Cellular network agnostic – the solution will run with on any cellular network globally
- Full encryption of data stream - full encryption of the data stream to AES 256 standard
- Dual network variant dual network uses two different cellular networks with a primary and backup in the event of an outage providing additional service level reassurance

HOW IT WORKS



All links are fully encrypted

- Satellite
- 4/5G
- Broadband



APPLICATIONS OF USE

With its easy install and ability to incorporate into existing systems, the IP AiR PWAN has the capacity to benefit a wide variety of businesses, for example large infrastructure organisations such as utilities, rail etc and CCTV integrators, local authorities, security or access control hardware manufacturers.

“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

Due to the combination of unlimited data with a static Private 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 or corporate network. It offers bi-directional communication, meaning each camera can have an individual address allowing monitoring centres to manage specific cameras for surveillance of a site.

IP AiR PWAN 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 PWAN can offer an all encompassing secure private network for clients with multiple locations locally or globally that want the ability to offer unrestricted data usage across multiple communications transport mediums, safe in the knowledge that all data is enclosed with their own private network and fully encrypted.

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 PWAN 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 over cellular networks, and low monthly contracts the possibilities to improve security are endless.