The Automatic Lamp Post/Pole Climbing Camera and Communications System
The very presence of the cameras deters would-be offenders and sends a signal out to all that we are watching and protecting the area.

Its portability and fast deployment make Sherpa an essential part of the criminal detection and deterrent toolbox.

Mick Rodden
Northamptonshire Fire & Rescue Service

Sherpa delivers rapid deployment for a series of communications and data relay options:

- CCTV
- GSM
- TETRA
- Wi-Fi
- 3/4G
Sherpa keeps you in control

Sherpa systems put communications technology exactly where you need it, enabling you to get to the heart of the action quickly and easily.

Sherpa can climb any pole or lamp-post including parallel poles with a diameter of between 75mm and 150mm and a variety of tapered poles with a diameter of between 270mm and 125mm.

Many camera and communications options can be mounted to Sherpa at scenes where close observation, monitoring and data relay are essential requirements.

With its rapid deployment capability, Sherpa technology offers significant benefits and can be used for a wide variety of applications:

- Social disorder
- Anti-social behaviour
- Emergency situations
- Event monitoring
- Crowd control
- Demonstrations
- Arson attack
- Fly-tipping
- Traffic monitoring
- Speeding detection
- Automatic Number Plate Recognition
- Rapid deployment wireless networks
- Private GSM networks
  and more

Sherpa takes approximately 5-10 minutes to deploy without the need for specialised tools, equipment or installation.

In these days of cost-cutting and civil liberty considerations, Sherpa delivers a system that recognises such critical issues.

Sherpa is available for individual agency operation and yet can also be shared by cooperative agencies.
How Sherpa works

As the world’s first and only climbing communications system, Sherpa enables wireless video cameras and other devices to be positioned quickly and securely on many different types of lamp-post and poles.

Compact and easily portable, Sherpa’s rapidly-deployable surveillance and data relay equipment can be transported in the back of a small van. Once on site, deployment takes one or two people approximately 5-10 minutes and requires no special tools or expensive access equipment such as ‘cherry-pickers’ or platform lifts.

The Sherpa system uses a motorised delivery unit operated by a hand-held remote control to take a communications or video platform up any suitable lamp-post or pole. Having reached the desired height, the platform automatically attaches itself to the pole and the delivery unit returns to the ground to be stored or used again elsewhere.

The Sherpa camera platform is powered by rechargeable batteries. Video can be recorded locally or remotely while all forms of data can be transmitted to a pelicase or relayed directly to a control room or command centre, including mobile incident command units.

The ability to place surveillance and data relay technology exactly where you need it, makes the Sherpa rapid deployable system ideal for a wide variety of applications. From monitoring and deterring anti-social behaviour, regulating traffic through speed cameras and Automatic Number Plate Recognition to crowd surveillance and preventing arson attacks, Sherpa plays many vital roles in ensuring greater security and enhancing incident management.
Benefits:

- Sherpa suits any situation where rapid response, accurate monitoring, enhanced security and resilient communications are required.

- The Sherpa system fits easily into a small van for transportation and then takes one or two people approximately 5-10 minutes to deploy.

- Sherpa is ideal for any applications concerning: social disorder, anti-social behaviour, incident management, crowd control, event monitoring, traffic monitoring, arson attack, fly-tipping, etc.

- Sherpa can be used effectively with Automatic Number Plate Recognition (ANPR) systems.

- Sherpa can be deployed immediately with no need to cone-off or close roads – and without the high cost of hiring a ‘cherry-picker’or platform lift.

- Sherpa is ideal for use in hostile and threatening environments due to its rapid deployment capability and its ballistic-tolerant camera option.

- Sherpa is automatically secured high up on existing poles, making this technology inherently vandal-resistant.

- Sherpa can be left unattended to gather evidence for later retrieval, or used for remote monitoring, without the need for personnel to be present.
The Sherpa delivery unit is able to deploy a wide choice of cameras as well as a range of GSM and TETRA aerials, Wi-Fi access points and 3/4G routers.
Higher level technology

Delivery Unit
The Sherpa Delivery Unit is battery powered with a hand-held controller capable of deploying the Camera & Operating Platform up any pole or lamp-post including parallel poles with a diameter of between 75mm and 150mm and a variety of tapered poles with a diameter of between 270mm and 125mm.

Electronics Unit
The Electronics Unit contains a powerful rechargeable battery as well as the technology to enable rapid and secure data transfer.

Camera & Operating Platform
The Sherpa Camera & Operating Platform can house a wide variety of cameras including HD, Night-Vision, Dual Thermal options and more.

Hand-held Controller
The Sherpa Hand-held Controller uses a 433MHz radio packet controller for communications with the system. The data packet structure has been custom written for Sherpa. The hand-held controllers are coded to individual customers.

Control Case
This allows full PTZ control of a camera head together with video feedback via LCD monitors. Other camera monitoring and control methods include Laptop and PDA.

Wi-Fi Access Points and 3/4G Routers
Sherpa technology can deploy Wi-Fi access points to create short distance hot-spots for secure communication, while the deployment of 3/4G routers enables the rapid relay of all types of data anywhere in the world.

Private GSM and TETRA Networks
Sherpa can be used to mount aerials to create an extended network for private mobile phone systems and secure radio communications.

COFDM Transmission
Sherpa uses COFDM for data transmission to overcome line of sight issues and enable personnel to transmit high quality data in real time, even within buildings and underground tunnels - in excess of 1KM.

UK, Europe and USA patents, with further international patents pending.
Sherpa – tried and tested technology

Sherpa systems enable multiple camera and communication solutions to be deployed quickly up existing poles/lamp posts to deliver improved surveillance and secure transmission in real time.

The Sherpa delivery platform can be used to mount aerials for TETRA or GSM, Wi-Fi access points and 3/4G routers to extend communication networks.

Sherpa technology has proved its worth across the world and is established in the following markets: UK, USA, Canada, Australia and South Africa, where Sherpa was used for crowd safety monitoring at the 2010 World Cup.

See Sherpa in action

For further details and a live demonstration – or to learn about reseller opportunities – please contact us on +44 (0) 845 65 85 747 or visit our website www.excelerate-group.com www.sherpacctv.com

Gwent & South Wales Police training at Excelerate HQ ahead of the NATO Summit

Additional camera and communications options can be specified. Please contact us to find out more.