

# SHORT RANGE WIRELESS TRANSMISSION

IndiComm has developed complete range of inovative wireless solutions under its Wi-Systems banner. These are all modular all be utilised in conjunction with our Vega system to compliment a variety of possible applications including security, remote personnel, monitoring for a variety of scenarios and spans a whole remit of possible implementations.

- Military / Emergency services / Search & rescue.
- Local government agencies / Humanitarian aid agencies.
- Body Camera relay from field to command centre (Multiple input)

IndiComm introduces an inovative unique short range wireless solution, VEGA. It consists of a high quality transmitter and state of the art encryption (optional). The transmitter simultaneously streams video and full duplex audio communications across a secure, dedicated non line of site network and is effective up to 800m in open ground.

The ultra-light compact transmitter can be integrated and situated wherever required. Standard options include belt / webbing, helmet, or jacket in conjunction with our body camera. However it could also be



used to transmit images from other field deployed cameras as required and is unobtrusive enough to be mounted exactly wher it is required without causing obstuction. It is IP68 (Waterproof), compact with low power consumption which makes battery packs equally small and unobtrusive.

Images and audio are available for viewing and recording using DVR at any of the following depending on configuration;

- Mobile receiving station
- Vehicle (mobile)
- Onward transmission to a distant command centre from either option above using Wi-Systems AQUILA wireless backhgaul range (up to 30km line of sight)

Simultaneous video and audio streaming to both vehicle / mobile units as well as to command centre. Multiple seperate inputs can be transmitted together from vehicle / mobile units with localised recording,



retrieval and instant playback at any location. Inputs can be made up of seperate body cameras or a combination of body cameras and fixed / vehicle mounted cameras (including low lux, PTZ, high speed and IR cameras as well as sniper rifle sights).

The VEGA system is battery powered (low power usage) waterproof and is of a ruggedised constuction which is very simple to operate for ease of use in the field. It is available for a variety of applications requiring discreet usable voice and video transmission.

Auxilliary additions to the range include; Specialist cameras, wireless clouds (3G). This would also allow for secure transmissions of IP enabled cameras to be viewed over the internet via secure links viewable anywhere.

## Challenges Wi-Systems aims to overcome:

IndiComm beleives that the challenges faced by front line personnel and first responders can be helped dramatically by overcoming the absence of communications and information especially in remote areas. Advantages are;

- Instant communication with a command center
- Information direct the field where its needed.
- Back-up requirements can be assesed remotely by comanders. (Live feeds from forward units)
- Access to remote expertise for field operators
- Security for front line personnel

## Live interaction with field personnel / remote workers.

- Video/voice transmission from body cameras on front line personnel.
- Mobile wireless technology to aid in the field and for training purposes.

