

LONG 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 Aquila system to compliment a variety of possible imple-mentations.

- Point to point / multipoint.
- Mobile vehicle to Command centre (Multiple vehicles).
- Body Camera relay from field to command centre (Multiple input)
- Repeater station to increase overall transmission distances.

IndiComm introduces Aquila, its inovative unique backhaul solution for its Wi-Systems branded range. It consists of a high quality, transmission system with state of the art encryption. The transmitter will simultaneously stream video and full duplex audio communications across a secure, dedicated line of site network.

The AQUILA range is designed for Command centre awareness and is capable of transmitting live video / voice along with telemetry up to 30km (line of sight) and is available as a vehicle mounted system or as a fully portable unit. Unlicensed Frequencies can be utilised and the range can be increased with the use of repeaters

The AQUILA range can be integrated with all other Wi-Systems solutions including our;

- Wireless Body Camera system

- Full duplex voice communications.
- Titan Camera (multi-cam PTZ)
- Covert Camera
- IR Camera

Many other cameras can also be integrated if required (including low lux, PTZ, high speed and IR cameras as well as sniper rifle sights). Various interface options.

Our Aquila range system is ready to integrate into our mobile and fixed surveil-ance systems as standard and is offered with a range of suitable cameras & surveil-ance equipment to suit the requirements).

Images and audio are available for viewing and recording using DVR at any location within the Wi-Systems architecture (except from Body Camera) with localised record-ing, retrieval and instant playback

Simultaneous video and audio streaming from both vehicle / mobile units as well as to command centre. Multiple seperate



inputs can be transmitted simultaneously from each Aquila system. Inputs can be made up of our body cameras or a combina-tion of body cameras / fixed / vehicle mounted / or field cameras as well as duplex comms.

The mobile Aquila system is battery powered but can also be powered by either mains or generator for our mobile unit. It is 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; Bespoke vehicle mast systems, 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.

A world of possibilities:

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
- 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.
- Enabling comanders to get live feeds from forward mobile units.

