

# Long distance CCTV backhaul EC SYSTEM

## Sector: Security/Surveillance Case Study

Rising crime rates are stretching police and government resources and one of the most frequently encountered issues is the need for real-time and reliable video data and CCTV surveillance in remote areas. Only robust Point to point equipment, fully supporting of real-time application and reliability in severe climate condition can meet these demanding requirements



### Challenge

- Providing a robust network backhaul to coverage area 50 kilometres away from the main monitoring site and transmit the CCTV video stream 50 Mbps, and to be able to withstand high humidity levels, rainfall and hard terrain;
- A Backhaul network that can transmit CCTV footage and video data at high speed and consistent quality, without lag;
- A cost effective set-up that supports future improvements and additional points;
- Low latency, low maintenance cost;
- Scalability of the system.

### Solution

[EC SYSTEM Wireless solution](#) fully complies IP66 and IP67 standards and solves mentioned issues. The radios withstand water, high humidity levels, as well as dust, even in the harshest conditions.

EC SYSTEM minimises the costs involved in repairing and maintaining the system and its components. The EC SYSTEM products have 15-year Mean Time between Failures (MTBF).

**EC Link ECM S5CR500L50** with external antenna and with net capacity 50 Mbps in the first instance. The capacity can be easily upgrade up to 180 Mbps when is request for higher throughput.

## Benefits:

- Solved control of the fluctuating signal strength and speed
- Better control of the output signal with the EC SYSTEM EC-Link which allows for advanced support at level 2, level 3 and level 4 traffic sources
- Scalable system EC SYSTEM solution - capacity can be upgrade easily by software key without having to change the hardware or requiring a maintenance team in the field
- Cost saving in terms of resources and the money that we were spending on travelling to remote areas to correct maintenance issues in the past
- Control over the bandwidth allocation in the area. The EC SYSTEM solution supports level 2, 3 and 4 traffic sources without diminishing the speed in video data.

See more about EC SYSTEM [Point to Point](#) and [Point to Multipoint](#).

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For more information contact us at Phone Nr. + 296 371 265 or by [e mail](#).