

Professional 4K remote production

Objective: To offer a more efficient, flexible and cost-effective way of Live TV contribution and production, including 4K formats.

Description:

With this project, the main objective is to:

- Perform live TV contribution without the need to use production trucks or satellite or fibre links, simply with cameras connected by 5G.
- To obtain live TV production systems that are affordable for regional and local events that cannot afford the large deployments of top-level events.

This will be done using devices from Aviwest, which are capable of encoding video from conventional TV cameras in real time and sending it over a 5G uplink, thanks to their high bandwidth and without the need for satellite links.

Edge Computing capacity will be used in a Telefónica centre in Alcobendas, where Aviwest's TV production software will be hosted, receiving the signal from the different cameras connected by 5G, and generating a TV signal suitable for TV studios.

The low latency of the 5G network will ensure perfect synchronisation between the different cameras and the ability to send commands and switch the signal without problems.

The demonstrator will be set up in the Corporate Innovation Centre in the Telefónica District.

