

# Roland Garros, Europe



LTE SAT are responsible for all distribution systems within Roland Garros tennis complex and have enjoyed a 20 year partnership with FFT and Roland Garro. Their responsibility is to maintain and install video systems for Satellite, Terrestrial and Video over IP so as viewers can see the tennis from anywhere within the complex and not miss a second of the game played.

## Scope:

France Television provided the coverage of Tennis championship to a massive 137 channels in 178 countries around the world. The HD feeds are also feed to all corners of the stadium complex to enable the attending customers a chance to miss any of the action over the 20 days of the tournament. The challenge presented was to provide upmost reliability and a cost effective solution. If we have one problem with the fiber system installed then we lose 1500 viewing points around the stadium. We want people to walk away after the day is finished with a great experience at Roland Garros. We were unable to use tradional coax system because of the limitation of the cable length, and so had to look for a fiber based system.

## Project:

When LTE SAT made their decision they choose the Norwia miniHUB optical distribution system to acheive their goals for this prestige event. 6 HD-SDI feed were distributed from the France Television master control room to the Roland Garros internal video system center. From here the signal was encoded to IP and distribution was feed via IP over the current network.



## Customer:

Michel Benoit, the LTE SAT manager comments, *"The Norwia system was very easy to install, friendly to control and supervised through the Web via the RCON mini control software gave the system a winning combination that included reliability and quality, we were very confident with the system to run our critical application"*

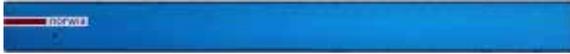


Norwia's miniHUB optical distribution system is the world's most flexible system today. Second generation to what is currently available on the market today. See what people are talking about at [www.norwia.no](http://www.norwia.no)



## Technical:

### France Television Outside Broadcast

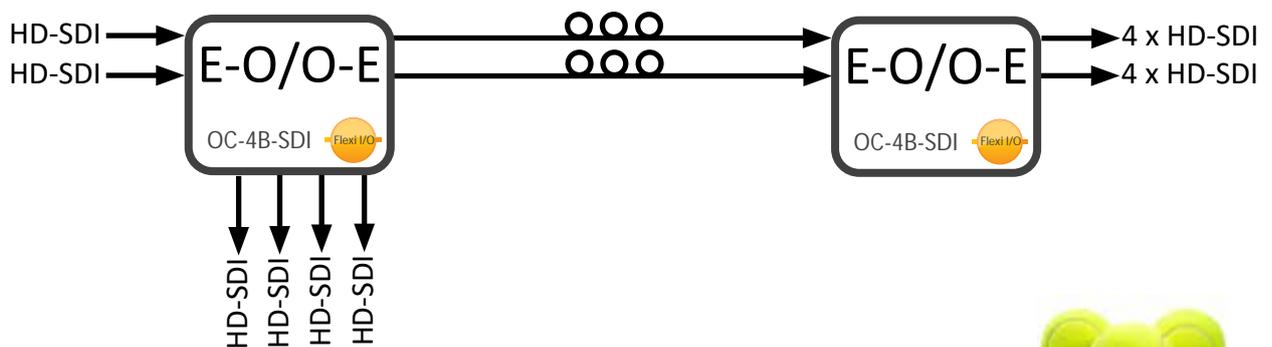
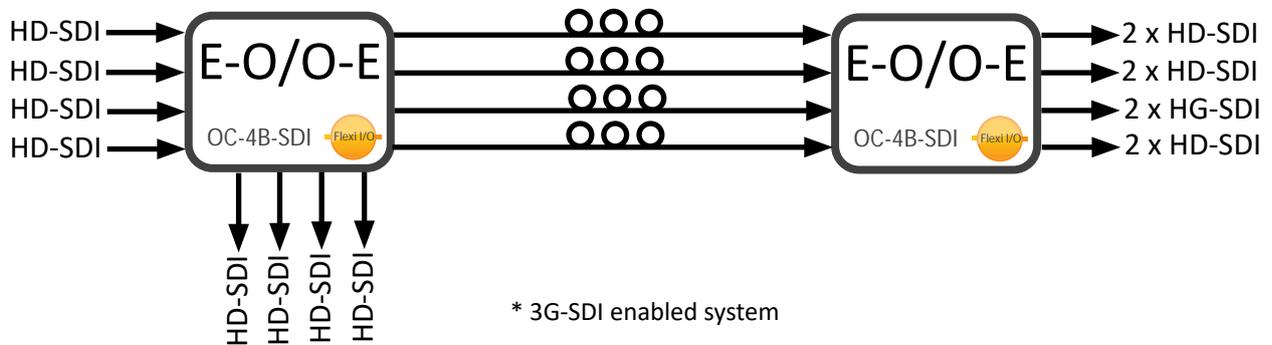
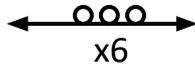


- 1 x 10556 miniHUB Frame with redundant PSU
- 2 x 10561 OC-4B-SDI card
- 3 x 10581 Dual channel (1310) TX

### Roland Garros Video Center



- 1 x 10556 miniHUB Frame with redundant PSU
- 2 x 10561 OC-4B-SDI card
- 3 x 10594 Dual channel RX



Norwia provides a format flexible, application flexible optical fiber distribution product that makes a very clear statement when it comes to cost of ownership. Features such as add/drop/pass, optical distribution and transponder functions are available to LTE SAT and Roland Garros with the existing product installed making the flexibility of this next generation system from Norwia an ideal choice for this project.

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