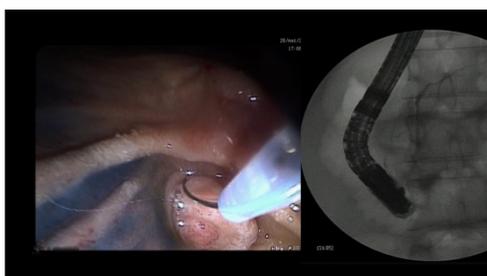


Analog Way's Mixers support medical imaging



Eikos and the Orchestra remote controller for a live HD video transmission by satellite (from Marseille and Milan to Paris)

Medical imaging is playing a substantial role in operation rooms, with the increase and diversification of devices generating their own images (endoscopy, ultrasound, X-ray devices...). To provide appropriate diagnosis and therapeutic care to patients, doctors need to simultaneously analyze the images generated from different devices. The correlation of images provides three-dimensional information enabling more precise diagnosis and treatment. The difficulty is that medical imaging devices have many different video signals: DVI, HD-SDI, VGA, composite, custom computer resolutions, etc., so hospitals have to consider high resolution mixers to manage picture-in-picture (PIP), display configurations, and digital recording.



Endoscopy and radioscopy images simultaneously displayed on the same screen

Synaps Production, a European leader in medical audio visual production specializing in live video transmission, developed a PIP system for displaying and recording at Timone Hospital, the biggest hospital in Marseille, France.

Synaps Production started by setting up a system to manage live HD video transmissions by satellite of surgical procedures from the Operating Room. For this system, **Synaps Production** chose **Analog Way's Eikos (Ref.EKS500)**, a multi-screen Mixer/ Seamless Switcher with 4 scalars, controlled by



the **Analog Way's Orchestra (Ref. ORC50)** remote controller.

The **Eikos** is used in a mobile production unit and converts and mixes all signals HD-SDI. It serves to switch and manage the PIP display configuration.

After this successful system's completion, **Synaps Production** proposed a fixed installation in order to optimize, standardize, and unify their system. The aim is to minimize the number of control monitors in operation rooms and to use only one HD recorder for all sources.

Unlike the live video transmission that required demanding and dynamic screen configurations, the fixed installation needed to be as easy-to-use as possible for the hospital staff. **Synaps Production** chose to install an **Analog Way's Pulse²** in the operation room. The **Pulse² (Ref. PLS350)** is a hi-resolution Mixer / Seamless Switcher with 8 inputs. The **Pulse²** met all the requirements in terms of video signal processing, display configurations, and ensures a user friendly interface for the hospital staff.

The **Pulse²** is mounted in a mobile rack with all sources connected directly to it. A second rack is installed with connections for VGA, RGB and composite connections. **Synaps Production's** team pre-programmed the **Pulse²** according to various grid views. Hospital staff can choose among 8 presets to easily use the **Pulse²** in regards of their needs.

Christian Vuolo, Production Director at **Synaps Production** details the use of the **Pulse²**: *"The **Pulse²** is driven through **Analog Way's** new **RK-350** remote keypad, enabling the mix of 4 different video streams to native resolution. One HD monitor manages the control, while digital recording in ProRes on SSD disc is ensured by a Blackmagic Hyperdesk. The **Pulse²** allows visualization and recording two images simultaneously, providing a much simpler image processing.*

*After installation and extensive use, the hospital staff is completely satisfied. The **Pulse²** significantly reduced the time dedicated to selecting and archiving recorded images. According to the hospital staff, the **Pulse²** strengths are: high-end image processing, time saving with better quality of work, and less congestion with increased reliability and convenience thanks to optimized ergonomics."*

Synaps Production: Created in 1993 by Christian Vuolo, Synaps Production has established itself as a European leader in medical audio visual productions. The company is based in Marseille, France.

For more information: www.synaps-prod.com

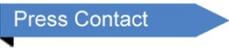


The **Pulse²** controlled through the **RK-350** at Timone Hospital of Marseille



**Analog Way, Pioneer in Analog, Leader in Digital**

Analog Way is a leading designer and manufacturer of presentation switchers and image converters. The company designs a wide range of computer to video scan converters, scalars, seamless switchers and up/down converters. The products provide the most advanced solutions in the Broadcast, AV, Rental & Staging, Church, Corporate and Industrial markets.

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