

**Christie RGB pure laser projectors and Terra AV-over-IP deliver robotic surgery learning at IRCAD research and training institute**

**Prestigious training and research institute uses 3D display for learning at stunning auditorium**

**Strasbourg, FRANCE – (January 30, 2023) –** [Christie®](https://www.christiedigital.com/) Mirage® 4K40-RGB pure laser projectors have formed the centerpiece of a new extension to a research center at IRCAD (Institut de Recherche contre les Cancers de l'Appareil Digestif) located within the University Hospital of Strasbourg, France. IRCAD 3 is the latest addition to the globally recognized surgical research and training institute, and the 2,400 square meter (26,000 square foot) hub building dedicated to robotics. AV integrator [DEYA](https://www.deya.fr/) installed a pair of Christie Mirage 4K40-RGB projectors in its 237-seat auditorium, delivering 3D and outstanding color reproduction required for specialist learning. A Christie [Terra® SDVOE-based AV-over-IP solution](https://www.christiedigital.com/products/switchers-av-distribution/) is used to power content at the auditorium, and the building features a host of IP-connected audiovisual elements throughout, including speakers, microphones, digital signage and video conferencing technologies.

“The aims of the auditorium were above all 4K and 3D, but also to ensure a very immersive experience,” says David Hiltenbrand, Audiovisual Technician at IRCAD. “We wanted, unlike the other auditoriums we had, to have a large, wide projection area so we could display at least five or six images to provide versatility. We were looking for a laser projector with beautiful colorimetry and strong 3D capabilities. The choice naturally turned to Christie, who was the only manufacturer at the time to offer this type of product. We also switched to video over IP throughout the building, and that’s a complete paradigm shift.”

The auditorium is equipped with a fully modular stage space, with the 11.6-meter (38 foot) display powered by two Christie Mirage 4K40-RGB pure laser projectors. The 40,000 lumen projector achieves greater than 95% of Rec.2020 color space, and its 120Hz refresh rate enables 3D applications. The all-in-one projector delivers detailed images, built-in warping and blending, near-field communication monitoring and an at-a-glance preview screen. The auditorium features microphones installed within the seats, a discreet but powerful audio solution, six 4K cameras and a video conferencing system. DEYA – which was responsible for all technology throughout the building – also established an AV control room and implemented an ecosystem of equipment throughout IRCAD 3, all connected over IP with a Christie Terra AV-over-IP solution.

“The 3D element in surgery is very important, since it allows you to have the depth ratio to understand the various elements,” says Carlos Alves, head of IRCAD audiovisual department. “Colors are also very important, and obviously everything must be very defined to see all the small vessels and so on. And with 4K resolution and at 60Hz or 120Hz, it allowed us to have all these required elements. The architect has made a magnificent auditorium with waves at ceiling level and leather armchairs. So, we had to combine technology and aesthetics, which was another challenge.”

The outcome is a highly specified center of excellence, equipped with powerful AV technology that has blended the required high levels of performance while maintaining the ultra-modern aesthetics of the building.

**About Christie®**

Christie Digital Systems USA, Inc. is a global visual and audio technologies company and a wholly owned subsidiary of Ushio Inc., Japan (JP: 6925). Christie revolutionized the movie industry with the launch of digital cinema projection, and since 1929 has embraced innovation and broken many technology barriers. Our technology, paired with the support of professional services to design, deploy and maintain installations, inspires exceptional experiences. Christie solutions are used around the world, from the largest mega-events to the smallest boardrooms, and include advanced RGB pure laser projection, SDVoE technology, content management, image processing, LED displays, and Christie CounterAct™ far-UVC disinfection solution with patented Care222® technology. Visit [www.christiedigital.com](http://www.christiedigital.com).

– 30 –

**For more information contact:**

Oliver Berrow

Wildwood PR

[Oliver.Berrow@wildwoodpr.com](mailto:Oliver.Berrow@wildwoodpr.com)

+44 (0) 1293 851115

Follow Christie:

<https://www.twitter.com/christiedigital>

<https://www.twitter.com/christievive>

<https://www.facebook.com/christiedigital>

<https://www.linkedin.com/company/christie-digital-systems>

<https://www.youtube.com/christiedigital>

<https://www.instagram.com/christiedigital>

<https://vimeo.com/christiedigital>

“Christie” is a trademark of Christie Digital Systems USA, Inc., registered in the United States of America and certain other countries.