

Ultra-high definition



8k projection for Networked Media Lab research

Essex University recently installed six JVC DLA-SH4K projectors as part of a £1.5million Networked Media Laboratory; a world-leading research facility for future digital media innovation. Launched at the university in November last year, the new facility includes an impressive single Ultra High Definition 8K projection system, configured using four JVC 4K projectors, and a high-resolution 3D screen created using two JVC 4K projectors as a 3D pair.

“The projectors featured horizontal and vertical lens shift; critical for an 8K four-projector tiled wall”

With technology advancing at an alarming rate, we rely more and more on ultra-high quality and high-performance networks in order to process and share information. Essex University’s new facility, managed by Professor Dimitra Simeonidou, not only offers high-resolution imaging but also a high performance network, enabling them to work with other key universities and research institutes to design services specifically created for high quality, large-scale digital media and for the high volume media streams needed, for example, when streaming an 8K UHD image.

Stuart Hetherington, Managing Director at HoloVis International, installers of the 8K and 4K 3D projection systems at Essex, explains the benefits of the JVC DLA-SH4K projectors for such an important project. “With four of these projectors on racks in the room behind the screen, it was imperative that the units were quiet and didn’t generate much heat, as this meant Essex University wouldn’t have to worry about industrial venting or ducting. The

JVC projectors were also a manageable size and lighter in weight than other projectors, and they run off a standard 13 amp socket, keeping installation neat and simple. It was also essential for this setup that the projectors featured horizontal and vertical lens shift, as this is critical for an 8K four-projector tiled wall.”

The networked media lab will especially be of interest in the medical world, where there’s the need to transfer UHD images in real time without quality loss, enabling, for example, remote diagnosis of patients. ■

