



DANMON GROUP

ATG DANMON UK

4K-capable video production and live streaming facility for the Venue Group

ATG Danmon is one of the world's most successful providers of high-end reliable and easy-to-operate integrated systems for broadcasters and programme makers.

Active in Europe, Asia, Africa and the Middle East, ATG Danmon is part of the Dan Technologies Group which operates from offices in the United Kingdom, Germany, Denmark, Norway, Portugal, Spain, Sweden and Vietnam.



ATG Danmon has completed a 4K television production and live streaming facility at the Lafayette London events centre. Commissioned by the Venue Group, the new system allows for live relay of stage performances as well as studio-style recording. Located close to the Regent's Canal in the King's Cross area of London, Lafayette is an industrial two floor auditorium with world class sound and light systems. It includes robotic cameras, an audio/video production control room and a floor-to-ceiling rack of auxiliary equipment.

"ATG Danmon was recommended to us by Universal Music Group which occupies most of the building," comments Chris Pollard, Lafayette's Head of Production. "A crucial challenge was how to accommodate a complete control room in the limited amount of space available above and behind the stage. Another was the need to minimise any obstruction of stage performances when viewed from the 600 capacity auditorium. ATG came up with a versatile and future-proof solution which enables the operators to capture full broadcast quality 4K video from multiple positions, including the ability to zoom in from wide angle to very tight close-up. The system allows us to stream live productions with or without a studio audience."

"Robotic pan/tilt/zoom cameras have developed strongly in recent years both in terms of imaging quality and compactness," adds ATG Danmon Managing Director Russell Peirson-Hagger. "We have installed five Panasonic 4K cameras, each with a 1 inch MOS sensor and integral 20x zoom lens. The

cameras connect via two-way optical fibre to a latest-generation remote control unit which allows pan, tilt, zoom and focus all to be managed single-handedly using a seesaw lever mounted on a joystick."

"One of the cameras is mounted on Technopoint floor track and another on a floor-to-ceiling motorised column. A further camera is attached to a fixed wall mount, with the remaining two offering flexible positions via dedicated wall boxes. The whole system runs very smoothly, including gradual speedup and slowdown, so video can be captured from cameras in motion as well as when stationary. Preset movements can also be programmed. Although most of the actual streaming is likely to be HD in the medium term, 4K is now the preferred standard for practically all new production to ensure content has the greatest possible long-term value."

"At the core of the system are a Blackmagic ATEM Television Studio Pro 4K vision mixer with eight independent 12G-SDI input channels plus a Blackmagic Video Assist monitor and SD-card recorder," details ATG Danmon Head of Systems Integration Jonathan Hughes. "The mixer feeds a 55 inch NEC MultiSync LED picture monitor configured as a preview and programme display above a four-wide by two-high screen group normally assigned to source feeds. Audio is handled through a 48 channel 36 bus Allen & Heath digital mixer, TC Finalizer 96K processor and Genelec active monitor loudspeakers. Additional equipment includes Ross OpenGear glue, ATG wall boxes, a Teradek H.264 encoder and BirdDog NDI codec."

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