

CREATIVE AUDIO-VISUAL SOLUTIONS



CREATIVE at work

St Mary's Church, Watford

Bespoke Audio & Visual Solutions

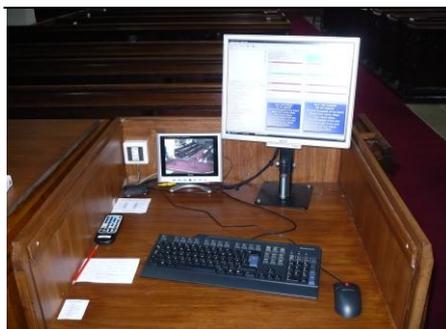


A custom designed long-drop tab-tensioned screen was commissioned for St Mary's to provide clear visual communication and the ultimate in discreet installation.

Actual image – not superimposed.

The system is designed to be as simple to operate as possible whilst allowing for maximum flexibility. A Kramer dual scaling system allows the main and side screens to view independent images. This enables a camera image of the front of the Church to be shown on the side aisle screens (where the congregation do not have clear sight of the platform) while a Powerpoint presentation is showing on the main screen.

System operation is via a Neets Foxtrot control touch panel allowing all functions such as turning projectors on & off and operating the motorised screens to be accessed at the touch of a button. This negates the need for multiple remote controls and a complex operating manual!



Lenovo desktop PC system with 7" camera/DVD cue screen and system touch panel



A Sony remote motorised camera. Images from the camera can be previewed before sending images to the main screens

The new audio-visual system at St Mary's Church in Watford is a triumph over the common battle of performance versus aesthetics. Featuring three projection screens for the main and twin side aisles along with cutting edge control hardware, the system is both highly functional and simple to operate. The main feature of the installation is the custom rear projection screen, designed and made specifically for St Marys, which allows the screen to hide away completely when not in use. Utilising additional drop-material and tab-tensioned fabric technology, the screen maintains tautness for the highest quality screen image and long term reliability. An Eiki X71 5500 lumen projector, again discreetly mounted, within the wooden beams behind the screen, provides clear text and video images in all daylight conditions.



One of the two side aisle screens featuring 3000 lumen Eiki projectors and remotely operated motorised screens



The main projector, an Eiki X71 5500 lumen high contrast LCD model, discreetly mounted within the ceiling wooden beams with full operation controlled via remote touch panel

Sales & support call: **0844 5678 065**
Email: **sales@CAVSolutions.co.uk**

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Brookmans Park Teleport / Great North Road / Brookmans Park / Hertfordshire / UK / AL9 6NE
sales@CAVSolutions.co.uk / www.CAVSolutions.co.uk / T 0844 5678 065 / F 01707 649555



Creative Audio-Visual solutions strive to provide the ideal audio and visual solution in Churches – both technically and aesthetically. At St Paul's Church in St Albans, CAVS were asked to design a new sound system as part of a major Church redevelopment project which included the reinstallation of the multi-screen AV system that was fitted a few years ago. Utilising a CAD model of the Church, Creative were able to pinpoint the exact Electrovoice speakers required to ensure a high level of clarity and intelligibility throughout the building. As a main suspended central speaker, an EV Xi2123a speaker was chosen – via a digital Netmax networked speaker controller, the Xi2123a was able to utilise beam-steering technology to reduce low frequencies emanating on the platform below as well as enhancing auditory focus at the front of the Church. Additional EV ZX speakers were employed as delay and side aisle speakers to maximise coverage to all areas of the congregation. Dual 15" active subwoofers ensure excellent low frequency reproduction and energy for live and recorded Worship.



The Church vestry houses the main system rack containing audio management hardware including the N8000 Netmax digital processor (8 inputs, 16 outputs), remotely monitored EV CPS series amplifiers and a custom made mains relay system allowing all rack equipment to be systematically switched on via a Kramer touch panel in the control desk. Within the rack is also a highly flexible audio patching system allowing all platform sockets (numerous floor-recessed input and monitor connections) to be routed to the mixing desk.

Vestry rack including EV Netmax processor, audio & loop amplifiers and patching system



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The complete technology solution



Picture showing the central flown Xi2123a speaker, relay ZX3 and ZX1i speakers and projection system



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