

TV Catalunya - Broadcast Display Wall

OVERVIEW

PROJECT LOCATION
Barcelona, Spain

ENGINEERED BY
Mitsubishi Electric Spain

CUSTOMER
TV Catalunya

COMPLETION DATE
February 2006

PROJECT DATA

In-vision display system supplied as part of a new set for TV Catalunya's flagship news programme.

APPLICATION

Broadcast
TV Studio
Active scenery
In-vision display

PRODUCTS USED

8 - 50XLF
Front Access Display Wall

PRIMARY CONTACT
(UK and UAE)

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THE PROJECT

In-vision displays are an important part of contemporary TV set design, particular for news and current affairs programmes. Broadcast applications such as these demand the very highest display performance, as any imperfection in the image becomes very obvious to TV viewers and can even affect the ability of the presenter to work to camera.

When TV Catalunya in Spain wanted to equip the studio for their flagship news programme with the latest in-vision displays, they selected Mitsubishi Electric Display Wall.

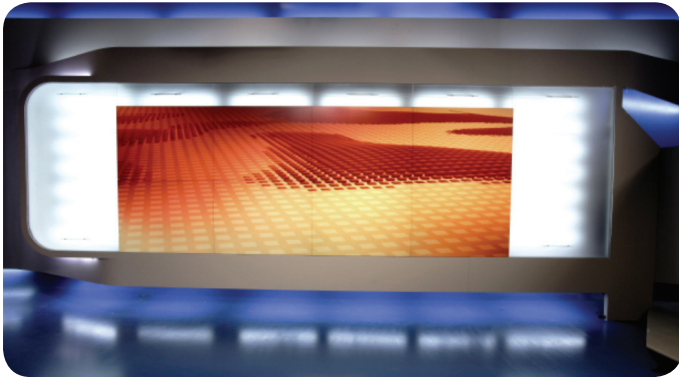
THE SOLUTION

Display Wall was selected after careful testing, which found that it performed visibly better on camera than alternative products. Mitsubishi Electric's patented Colour Space Control allows precise matching of colour temperature to studio conditions. Built-in brightness sensors and dynamic brightness balancing ensures excellent screen uniformity with minimal operator adjustment required. 12-bit grey-level processing ensures accurate grey scales and selectable brightness modes allow either normal or high-brightness performance.

Along with excellent quality images, the display wall cubes fit together perfectly to ensure a virtually continuous screen surface. Patented circuitry boosts brightness at the screen edges, reducing hotspots and providing excellent image uniformity. High-contrast performance and anti-reflection bead screen surfaces minimise image wash-out from studio lighting and allow presenters to work directly to the display, with no reflections. Clever design features like front-access ensure the most efficient use of studio floor space. These features, along with Mitsubishi Electric's legendary reliability, mean long-term versatility as well as show-stopping performance.

TV Catalunya

Broadcast Display Wall



TV Catalunya - News Studio 2 x 4 display system



TVE (Spain) 4 display system

SPECIFICATIONS

Model	VS-50XLF50U
Technology	1 Chip DLP™ (0.7" DMD 1-chip)
Native Resolution	XGA (1024 x 768 pixels)
Size	50" (1015mm x 761mm)
Brightness	Bright mode: 1000cd/m ² (typ.) Normal mode: 800cd/m ² (typ.)
Contrast Ratio	1600:1 (typ.)
Screen gap	0.2mm - 1.0mm (Typ.)
Colour Reproduction	16.7 million
Input Scanning	Horizontal: 31.5kHz - 78kHz Vertical: 49Hz - 85Hz
Analogue RGB I/P	RGB signal level: 0.7Vp-p 75Ω Synchronous: TTL level Sync on green
Digital RGB I/P	TMDS (DVI-D connector)
Lamp	High pressure lamp 6,000 hours (bright mode) 10,000 hours (normal mode)
Control I/O	RS-232C: D-sub 9 pins Control link: D-sub 9 pins x 2 (I/O) Wire remote: 3.5mm jack IR Receiver
Weight	69kg
Power consumption	195W(Typ)

MITSUBISHI ELECTRIC DISPLAY WALL

The perfect choice for in-vision display or broadcast monitoring.

Mitsubishi Display Wall is the preferred choice of many broadcasters for its performance, longevity, reliability and ease of maintenance in studio applications

Mitsubishi's patented Colour Space Control and dynamic brightness balancing ensure superb image quality, while optional features such as automatic lamp changing and automatic colour wheel calibration help to ensure 24/7 reliability and resilience. Front-access versions make the best possible use of studio or gallery floorspace, and anti-reflection beaded screens deliver superb performance both in front of, and behind the camera.

The continuous screen surface of Display Wall means that it can be used with a suitable processor to create versatile broadcast monitoring systems. UMDs, Tally, clocks and graphics can be added as required, allowing maximum flexibility and long lifespan.

There are now over 20 product variants in the Display Wall range, meaning that whatever the application, there is a Display Wall product ideally suited to the task. Call us or visit our website to find out more about Display Wall in action.

