

RTL - Versatile Studio Display

OVERVIEW

PROJECT LOCATION

RTL headquarters, Luxembourg

SUPPLIED BY

Mitsubishi Electric Netherlands

CUSTOMER

Radio Television Luxembourg
(Radio Télévision Luxembourg)

COMPLETION DATE

September 2008

PROJECT DATA

High-quality studio display system.

APPLICATION

Broadcast
TV Studio

PRODUCTS USED

6 x VS-50XLWF50U
c/w Anti-Glare screens

PRIMARY CONTACT

(UK and UAE)

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THE PROJECT

RTL broadcasts a wide range of television shows from its corporate headquarters in the city of Luxembourg. RTL's studio facility is in virtually continuous use, broadcasting daily news bulletins, sports, interviews, discussion programmes and weather forecasts. Surprisingly, this impressive output is generated from a studio space measuring just 10m by 10m. Creating a distinctive set design for these many different productions led RTL to experiment with technologies such as chromakeyed backdrops, video projection and flat screen displays. However none of these solutions proved ideal. Renting display equipment was too expensive for daily use; projection required too much floor space, flat panel displays were too small and virtual backdrops proved to be very inflexible. RTL needed to find a cost-effective visual design solution that would deliver versatility, excellent quality and - above all - the reliability to cope with 7 days-a-week usage.

THE SOLUTION

Jacques van Luijk of RTL saw Mitsubishi Electric's display wall system in action at the IBC show and was impressed by the high quality of its design and ability to offer a cost-effective solution that met all RTL's requirements. He comments, "The Mitsubishi product offered a number of key advantages: It has a small footprint and has front-access for maintenance, allowing us to maximise the available floor space in the studio. We also liked the automatic lamp-swap feature because it gave us confidence that reliability would not be an issue, even with our high usage rates. Overall, we felt the Mitsubishi system was honestly priced and offered good value for money."

RTL opted for six, 50" diagonal VS-50XLWF display wall cubes equipped with anti-glare screens and automatic lamp change options. The 2x3 display was installed on one side of the studio; its front-access allowing it to be sited directly against the wall. The system is able to accept a variety of input formats, including HD-SDI for superb quality. Since arrival the system has been in daily use, its automatic colour and brightness balancing features making it virtually maintenance-free. RTL is delighted with its new system and its studio management team can also look forward to significant cost savings as well as fantastic performance and versatility.



Radio Television Luxembourg

Versatile studio display system



Mitsubishi Electric's 50" front access display wall cube



Images © Jacques van Luijk/RTL

SPECIFICATIONS

Model	VS-50XLWF50U
Technology	1 Chip DLP™(0.95" DMD 1-chip)
Native Resolution	XGA (1024 x 768 pixels)
Size	50" (1015 mm x 761 mm)
Brightness	Bright mode: 1000cd/m ² (typ.) Normal mode: 800cd/m ² (typ.)
Contrast Ratio	1600:1 (typ.)
Colour Reproduction	16.7 million
Input Scanning	Horizontal: 31.5kHz - 78kHz Vertical: 49Hz - 85Hz
Analogue RGB	RGB signal level: 0.7Vp-p 75 Ω Synchronous: TTL level Sync on green
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	75kg
Power consumption	195W(Typ)

MITSUBISHI ELECTRIC DISPLAY WALL

The perfect choice for studio display systems.

Mitsubishi's display wall cubes are recognised worldwide for their performance, longevity, reliability and ease of maintenance. Here are just some of the features that keeps Mitsubishi in front.

High contrast. Mitsubishi's 12° DLP DDR chip delivers exceptional contrast for rich, vibrant colour.

High Brightness. Specially designed optical path and unique screen surfaces deliver great brightness performance.

Digital Colour Space Control™ Circuitry adjusts both primary and secondary colours automatically for superb screen colour balance.

Dynamic Brightness Balancing™ shares brightness information between the individual cubes, keeping each one adjusted for optimum performance automatically.

Speed Swap™ lamp changer ensures a high degree of reliability by automatically lighting a replacement lamp and moving into position within 10 seconds of a lamp failure.

Smart Lamp™ & Smart Colour Wheel™ automatically matches the performance of the cube with its neighbours in the event of a lamp or colour wheel change.

Black Stripe Anti-Glare screen. Developed by Mitsubishi, the Black Stripe screen delivers high brightness and beautifully crisp images.

Options

There are now over 20 models in the Mitsubishi Electric range of display wall cubes. So whatever your application, there is sure to be a model that's perfect for your needs

- 50", 67" or 80" screen diagonals.
- Choose from front or rear access
- Black Stripe Anti-Glare or Bead Screens
- Speed Lamp Changer

