MITSUBISHI ELECTRIC

DISPLAY ENGINEERING

Karamanos TV – Studio LED system

OVERVIEW

PROJECT LOCATION
Athens, Greece

ENGINEERED BY
Mitsubishi Electric Netherlands

CUSTOMER
P. Karamanos Studios SA

COMPLETION DATE
February 2006

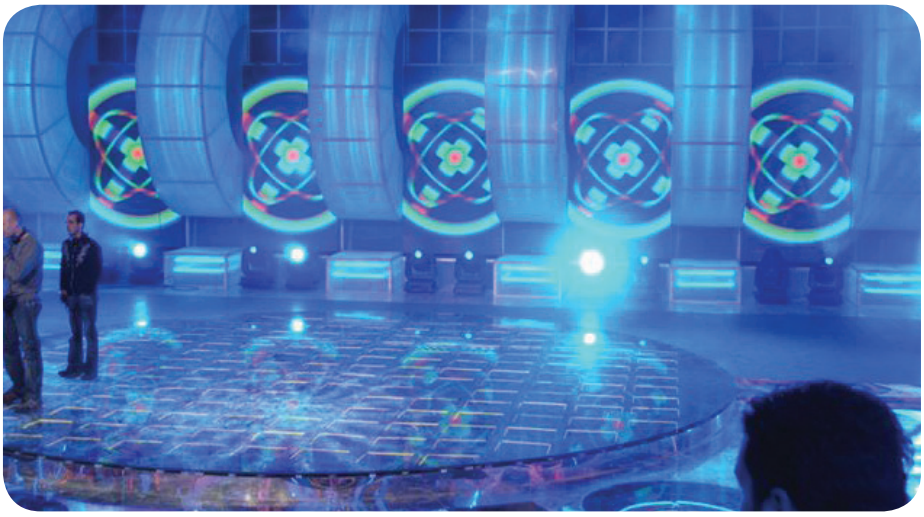
PROJECT DATA
In-vision modular LED display system used for a wide variety of productions.

APPLICATION
Broadcast
TV Studio
Active scenery
In-vision display

PRODUCTS USED
50 – AVL-IDT6
Diamond Vision LED screen

PRIMARY CONTACT
(UK and UAE)

David Jones
Business Manager -
Display Engineering
Mitsubishi Electric Europe
Travellers Lane
Hatfield
Hertfordshire
AL10 8XB
Tel: 01707 278684
Fax: 01707 278541



THE PROJECT

Since the advent of videowalls and high-power projection, the use of in-vision video displays has long been a feature of the set designer's creative toolbox. Thanks to the huge advances in performance, LED-based screens are now the in-vision display technology of choice for the majority of studio productions, ranging from game shows to current affairs. When Karamanos TV, Greece's largest independent film & TV studio facility, wanted to add in-vision displays to their facilities, they set about a careful evaluation of all the products on the market.

THE SOLUTION

Following a studio shoot-out of the final two short-listed systems, Karamanos Studios selected Mitsubishi Diamond Vision AVL-IDT6 as its in-house display system, purchasing 50 modules of the 6mm 3-in-1 LED display. The IDT series Mitsubishi Electric Diamond Vision 3-in-1 LED displays deliver outstanding high-resolution performance and light output, enabling them to be used in a wide variety of production designs, irrespective of camera distance and lighting conditions. Mitsubishi's unique Colour Space Conversion technology ensures accurate colour performance, even under demanding studio conditions. The LEDs used in each screen are carefully graded to ensure exceptional uniformity of colour and brightness, and the individual modules can be easily assembled to create an endless variety of screen shapes and sizes.

The Diamond Vision screens have been very much in demand since arriving at Karamanos TV, and are in constant use across the complex's nine fully equipped studios. Of the qualities that have impressed the designers and producers using the Diamond Vision system, the superb image quality, pin-sharp resolution and rich colour density have attracted particular praise. All 50 modules were used as the central scenic feature of the "Dream Show", broadcast live across Greece and Greek-language stations Europe-wide. Arranged in five columns of ten modules, the Diamond Vision system created a stunning spectacle for both the live studio audience and the millions who watched the show across Europe.

Karamanos TV

Studio LED Display

"Dreamshow" produced at Karamanos Studios uses 50 modules of IDT6 Diamond Vision as a central feature of the set design.

IDT3 High Resolution screen

SPECIFICATIONS

Model	AVL-IDT6
LED Configuration	3-in-1 Package
LED Type	SMD
Pixel Pitch	6.00mm
Pixel Density	27,778Pixels/m^2
Light Output	2500 NITS
Colour Reproduction	68 billion colours
Processing	18 bit
Grey Level	12 bit
Longevity	50,000 hours (to half brightness)
Module Dimensions	768mm x 576mm
Module Weight	28kg
Viewing Angle	+/- 85º Horizontal & Vertical

MITSUBISHI ELECTRIC DIAMOND VISION

The perfect choice for in-vision display applications.

The latest generation of Mitsubishi 3-in-1 LED displays deliver outstanding high-resolution performance and light output, enabling them to be used in a wide variety of studio productions, irrespective of camera distance and lighting conditions.

Available in 3, 4 and 6mm versions, Mitsubishi's indoor Diamond Vision screens employ Mitsubishi's unique Colour Space Conversion technology to ensure truly accurate colour performance - even under demanding studio conditions.

Diamond Vision screens benefit from a high screen refresh rate and additional built-in technology which greatly reduces "flicker" and screen moiré effects which can sometimes be a problem in studio applications.

IDT series screens are designed to have extremely wide viewing angles in both horizontal and vertical planes. Clever design and excellent build quality ensures accurate colour reproduction even when viewed off-axis.

Individual Diamond Vision modules can be easily assembled to create an endless variety of screen shapes and sizes. The high-quality mechanical design makes the assembly of screen systems quick and easy, minimising the amount of valuable studio time on building and striking sets.

MITSUBISHI ELECTRIC

Changes for the Better

Mitsubishi Electric Europe B.V. Display Engineering
Traveller's Lane, Hatfield, Hertfordshire AL10 8XB, United Kingdom +44 (0) 1707 278684
www.MitsubishiDisplayEngineering.com display.engineering@meuk.mee.com

DISPLAY ENGINEERING