

## National Traffic Control Centre

**DISPLAY ENGINEERING**

### Overview

**PROJECT LOCATION**

National Traffic Control Centre,  
Birmingham UK

**ENGINEERED BY**

Working Wall Limited

**CUSTOMER**

Serco / Highways Agency

**COMPLETION DATE**

March 2010

**PROJECT DATA**

One of the UK's key national traffic management facilities, monitoring and managing the entire UK motorway network

**APPLICATION**

3Ci  
Security & Traffic  
Incident Management

**PRODUCTS USED**

8 x VS-67XL70  
8 x VC-B70D2  
1 x VC-X3000I

**PRIMARY CONTACT**

Carla Quartley  
Marketing Manager  
Mitsubishi Electric Europe B.V.  
Travellers Lane, Hatfield,  
Hertfordshire,  
AL10 8XB, England  
Tel +44 (0)1707 278998



Image © David Infante 2010

**THE PROJECT**

The National Traffic Control Centre (NTCC) near Birmingham is the nerve centre of the UK's motorway network. Built in 2003, the centre continuously monitors the UK's arterial roads, providing real-time information on congestion, helping to manage incidents and minimise delays. In response to the increasingly complex monitoring tasks being undertaken at the centre, in 2008 site owners, the Highways Agency, decided to upgrade the display system to take advantage of the latest developments in 3Ci display architecture.

**THE SOLUTION**

The contract to upgrade the NTCC went to Working Wall Ltd. Having worked on the original project, the company was keenly aware of the demands faced by the equipment, but also of the need to complete the upgrade quickly, efficiently and with minimal disruption to the centre's vital operations.

Mitsubishi's 67" Seventy Series DLP cube displays were ideally suited to the task; its compact design ensuring the most efficient use of floor space. The 5.4m x 2m eight cube screen can be configured into a multiple windows on demand by simply selecting one of five preset display formats programmed by Working Wall. A total of 32 direct feeds from roadside CCTV cameras can be combined with a variety of PC inputs, web data, off-air TV/audio and teletext to create an extremely versatile and powerful workspace.

Advanced self-management features allows each cube to continually monitor and adjust its performance against its neighbours, ensuring that colour balance and brightness automatically remain consistent during 24/7 operation. Once commissioned, the only routine maintenance normally required is the precautionary annual replacement of lamp modules.

A range of optional input cards allow users to design the ideal solution in their particular application. Thanks to the versatility of the Seventy Series cubes, and Working Wall's careful planning and execution, the entire display system upgrade was completed in just five days on site, with the NTCC remaining fully operational throughout that time. With Seventy Series, the NTCC is better equipped to manage its role at the heart of the UK's road network, and has the capability to grow further as its needs and priorities evolve in the years to come.

# SPECIFICATIONS

## National Traffic Control Centre

Model	VS-67XL70
Technology	1 Chip DLP™(0.7"DMD 1-chip) DarkChip3™ BrilliantColor™
Native Resolution	XGA (1024 x 768 pixels)
Size	67" (1359 mm x 1019mm)
Brightness	Bright mode: 640cd/m <sup>2</sup> (typ.) Normal mode: 560cd/m <sup>2</sup> (typ.)
Contrast Ratio	2200:1 (typ.)
Colour Reproduction	16.7 million
Input Scanning	Horizontal: 31.5kHz - 78kHz Vertical: 49Hz - 85Hz
Analogue RGB	RGB signal level: 0.7Vp-p 75Ω 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:3.5mmjack IR Receiver
Weight	102kg
Power consumption	230W(Normal mode) – 260W(Bright mode)

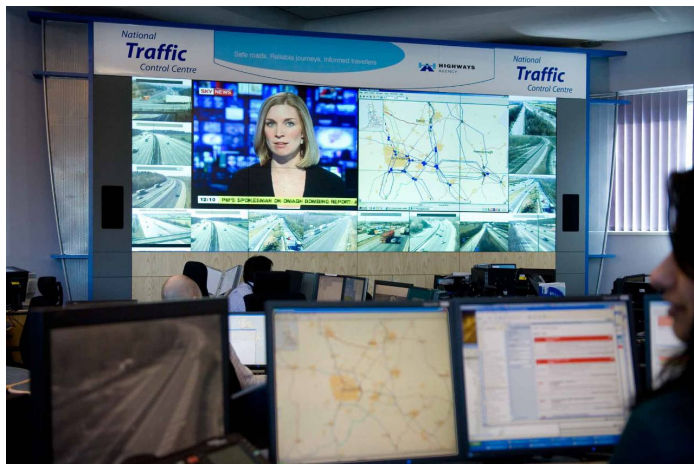


Image © David Infante 2010



### Mitsubishi Electric Europe B.V. Display Engineering

Traveller's Lane, Hatfield, Hertfordshire AL10 8XB, United Kingdom +44 (0) 1707 276100  
www.MitsubishiElectric.eu

## 70 Seventy Series:

**Seventy Series from Mitsubishi Electric**  
*State-of-the-art display systems for the most demanding 3Ci applications.*

Mitsubishi's display products are the preferred choice of many of Europe's specialist systems integrators for their performance, reliability and ease of maintenance. Seventy Series displays are the most advanced ever produced by Mitsubishi, combining superb performance with unsurpassed versatility.

Seventy Series cubes are packed with intelligent, "Smart 7" features that make them quick to install and easy to maintain. Mitsubishi's patented automatic Colour Space Control and advanced dynamic brightness balancing ensures the display stays looking perfect even in demanding 24/7 applications. Automatic input switching and lamp changing means dependable continuity.

Available in 50", 60", 67" or 80" cabinets, with a range of screen and engine options – including LED – Seventy Series cubes also feature built-in image processing and a wide range of user-selectable input cards for unbeatable versatility.

Seventy Series cubes are just part of a full range of control room solutions offered by Mitsubishi, which includes LCD displays, controllers and image processors, all backed by Mitsubishi's legendary build quality and experience. Whatever the application, there is a Mitsubishi Electric Display Wall product ideally suited to the task. Call us or visit [www.mitsubishielectric.eu](http://www.mitsubishielectric.eu) to find out more about Display Wall in action.



**DISPLAY ENGINEERING**