

National Infrastructure Command Centre

Federal Service for Transport Supervision (Rostransnadzor)



Project Overview

PROJECT LOCATION



Moscow,
Russia

SUPPLIED BY

Mitsubishi Electric Russia

CUSTOMER

Federal Service for Transport
Supervision (Rostransnadzor)

PARTNERS

Polymedia

COMPLETION DATE

January 2011

PROJECT DESCRIPTION

State of the art national
transportation infrastructure
management centre.

APPLICATION

Control room
Traffic management
Security & surveillance
Crisis management

PRODUCTS USED

8 x VS-60PE70U LED Cubes
8 x VS-L46XM70U 46" LCD
3 x MDT46 46" LCD

PRIMARY CONTACT

Michael Nevzerov
Mitsubishi Electric Europe B.V.
8th Floor, Bldg. 3,
Kosmodamianskaya Nab. 52,
Moscow,
115054, Russia

Tel: +7 (495) 721-2070

Fax: +7 (495) 721-2071

www.mitsubishielectric.ru

THE PROJECT

Sitting at the heart of Russia's national transport infrastructure, the Federal Service for Transport Supervision (Rostransnadzor) carries out a role of national importance. Rostransnadzor has the responsibility of overseeing every aspect of transportation, including air, sea, road and rail. The monitoring and management of such a vast and complex network is a huge challenge, requiring state-of-the-art C3i technology combined with total reliability. Mitsubishi Electric was chosen to supply the display systems for the authority's new command and control centre in Moscow.

THE SOLUTION

The centre is comprised of three main areas: a situational hall, an analyst hall, where five analysts collect and process information on all modes of transport, and a duty operator hall, manned 24 hours a day.

The situational hall, designed for problem solving, is equipped with a video wall of eight Mitsubishi VS-60PE70U 60" LED DLP™ cubes, each with 1400 x 1050 resolution. The room is equipped with 17 DIS congress-system consoles, an Extron and Biamp sound processing system and a Mototelecom IP-telephony system. Videoconferencing facilities by LifeSize deliver simultaneous multiple video calls via a 12-user multipoint-server. Videoconference sessions can be recorded with Codian IP VCR.

The analyst hall is equipped with three Mitsubishi 46" LCD panels, allowing the centre analysts to monitor all the information displayed on the situational room video wall. The analyst workstations are equipped with PCs, IP-telephones and multifunctional devices (MFD). The room is also equipped with off-air TV, dispatch communication and sound processing systems.

The duty operator hall features a multi-user LCD display wall consisting of eight Mitsubishi VS-L46XM70U 46" ultra-thin LCD-panels delivering 1366 x 768 resolution at 700 cd/m2. The operators' workstations are provided with PCs, IP-telephones and MFDs. There is also a dispatch communication system, off-air TV feed and a powerful sound processing system.

The whole centre is protected by no-break power system based on a GE uninterruptible power supply (UPS) and a Gesan diesel generator.

SPECIFICATIONS

Model	VS-60PE70U
Technology	DLP™ technology (0.95" DLP™ 1 chip) DarkChip3™, BrilliantColour™
Native Resolution	SXGA + (1400 x 1050 pixels)
Size	60" (1217.5mm x 912.8mm)
Brightness	Bright mode: 380cd/m ² (typ.) Normal mode: 310cd/m ² (typ.) Eco-Mode: 240cd/m ² (typ)
Contrast Ratio	1900:1 (typ.)
Optical Specification	SC-6070U
Input Slot	Input board slot for optional input board x 3
Overlay Function	6 windows per screen using internal processor option; unlimited using external processor
Light Source	LED (RGB) 80,000 hours (average lifetime)
Control I/O	RS232C: D-Sub 9pins LAN: RJ45 x 1 D-Sub 9 pins x 2 (input, output) Mitsubishi original control Wire remote: F3.5 Jack, IR Receiver
Physical Dimensions	Width 1219mm / 48.0" Height 1195.3mm / 47.0" Depth 725.9mm / 28.6" Weight 90kg / 198lbs
Power consumption	(with 1 input board) 270W (typ.) @Bright Mode 210W (typ.) @Normal Mode 170W (typ.) @Eco Mode

Seventy Series LCD Display Wall

Model	VS-L46XM70U
Screen Dimensions	46" Ultra slim LCD
Contrast	3000:1
Resolution	WXGA (1366 x 768 pixels)
	700 cd/m ²
Backlight Operating Life	50,000 hours (average)
Power Consumption	350W
Features	Internal processing capabilities, D-Wall software (optional). 3 x optional input slots. 6 window overlays per screen



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. Visit <http://displays.mitsubishielectric.eu> to find out more about Display Wall in action.

