

Vnukovo Airport, Moscow



Control Center of Flight Electrical and Lighting Service of Vnukovo Airport OJSC.

Tasks

Delivery, installation and commissioning of equipment at the Control Center of Flight Electrical and Lighting Service of Vnukovo Airport OJSC.

Implementation

To complete the set tasks, a multiuser information display system was proposed for the dispatcher control panel based on a video wall designed to form a high-resolution multiple image.

The main elements for construction of the videowall were Mitsubishi Electric projection cubes with the diagonal size of 50" and the resolution of 1,024 x 768 (8 modules). Due to a small size of the Control Center room, front-access modules providing for a full service access inside a module were used. The selection of such model enabled to optimize arrangement of the Control Center's equipment.

The video wall configuration is 4 x 2. The total resolution of the wall is 4,096 x 1,536 pixel, the video wall screen's dimensions are 4,068mm x 1,562mm. The modules are equipped with a LED light source having a huge average life – up to 80,000 hours. The dispatcher control panel is intended for continuous operation – 24/7/365.

The dispatcher panel is controlled using Fusion Catalyst 4000 graphics controller which receives information from sources via fiber-optic communication lines and forms a multiple image on the displaywall.

Up to 4 workstations displaying RGB or digital DVI signals may be connected to the graphics controller.

Hardware windows which display information from external sources may be freely moved within the multi-image screen and zoomed.

The complex of the dispatcher control panel is equipped with an uninterruptible power supply unit.

PROJECT DESIGNATION

Vnukovo Airport, Moscow

PROJECT LOCATION

Moscow

CUSTOMER

Vnukovo Airport

APPLICATIONS

Information display system,
LED display wall cubes

PRODUCTS USED

8 modules, type VS-50XEF74U
Seventy Series: LED

FURTHER INFORMATION

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