

Autobrennero User Assistance Centre, Italy



Traffic management system upgraded to the latest display technology while retaining key infrastructure components.

Project

3P Technologies innovative re-fit of the Autobrennero User Assistance Centre (Centro Assistenza Utente or CAU) in northern Italy used a cleverly designed system architecture to allow the upgraded modern display wall system to operate with the existing traffic management software platform and analogue camera system. The centre controls one of Italy's key highways, linking the country with Austria and Germany.

Jointly engineered by 3P Technologies and Mitsubishi Electric, the new control room system replaces 50 19" LCD panels with 20 of Mitsubishi's latest 50PE75 LED-lit DLP cubes, driven by a Bilfinger-Mauell controller. The customengineered platform allows the CAU to continue to use its existing traffic management software, completely removing the need to commission a new solution or retrain its operators. Bilfinger-Mauell encoder system allow the existing 200 cameras in the system to be managed using the same, familiar, pan-tilt-zoom (PTZ) controls, which means that it was not necessary to replace any of the existing analogue infrastructure. The new CAU display system also employs a Mitsubishi Electric programmable logic controller (PLC) and sensors to monitor the network and take appropriate action if faults are detected. Despite its complexity, the system can be easily controlled using a Crestron touch controller and software developed by 3P Technologies.

In addition to the new control room screen, Mitsubishi Electric also equipped four additional workstations with LCD monitoring, enabling supervisors and emergency services personnel to view any of the 200 camera feeds, plus information on incidents and road conditions. Two meeting rooms and a police monitoring station use Mitsubishi Electric 55" panels and another 55" is used to show the map of the highway with traffic load, while the technical director's office is equipped with a 65" display..

INSTALLATION BY

3P Technologies

PROJECT LOCATION

Modena, Italy

CUSTOMER

Autostrada del Brennero SpA

DESCRIPTION

Traffic Management Centre for main highway between Italy and Austria

APPLICATIONS

TMS, Control Room, Transportation.

PRODUCTS USED

VS-50PE75 10 x 2
MDT551 LCD Display x 4
MDT651 LCD Display x 1
FX3U PLC c/w GSM module
Controller:
Bilfinger-Mauell

FURTHER INFORMATION

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With over 61,000 installations to date world wide, Mitsubishi's name is synonymous with engineering excellence and reliability that is essential in mission critical installations. We are proud to introduce the brightest, highest contrast LED display wall cube available in the market place - our 7th generation display wall range, the Seventy Series.

Developed 100% in-house the LED option offers significant advantages in many applications, enabling displays to be more environmentally friendly and easier to maintain whilst being the most cost effective solution available today. On-board intelligence is a hallmark feature of Seventy Series products with built-in processing enabling multi-window displays to be created without an external processor.

The 50PE75 is the 50" SXGA+ rear access model. A Black Bead screen option is available, model 50PE78B, as well as a Cross Lenticular screen, model 50PE78L.



Specifications

Model	VS-50PE75 (Seventy Series)
Technology	1 Chip DLP™(0.95"DMD 1-chip)
Resolution	SXGA+ (1400 x 1050)
Dimensions	50" (1015mm x 761mm)
Brightness	1420 cd/m2 @ Bright Mode 1040 cd/m2 @ Normal Mode 710 cd/m2 @ Eco Mode 280 cd/m2 @ Advanced Eco Mode
Contrast	1600:1
Thermal Disipation	200.4kcal/h (795BTU/h) @ Bright mode 126.4kcal/h (502BTU/h) @ Normal mode 92.9kcal/h (369BTU/h) @ Eco mode 75.7kcal/h (300BTU/h) @ Advanced Eco
Input Scanning	Horizontal: 31.5kHz - 78kHz Vertical: 49Hz - 85Hz
Analogue I/P	RGB signal level: 0.7Vp-p 75 Synchronous: TTL level Sync on green
Light Source	LED (RGB) 100.000 hours @ Advanced Eco mode, 80.000 hours @ all other modes
Power Consumption	250 W in bright mode, 190 W in normal mode, 150 W in eco 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	71 kg
Power consumption	195W(Typ)



Request more information

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