LEDsynergy
electronic displays

Transport & Traffic Displays

FEATURES AND FACILITIES

- **CHOICE OF SIZES**
  - ask for details and prices
- **FULLY WEATHERPROOFED**
- **INSTALLATION**
  - ask for details and prices
- **EASY TO USE SOFTWARE**
- **MULTIPLE INPUT**
- **MAINTENANCE PACKAGES**
  - ask for details

Tel: 01264 303030
Email: sales@ledsynergy.co.uk
www.LEDsynergy.co.uk

Goods In and Warehouse Displays

An LED electronic display such as ours are an ideal solution to transport and organisation of goods in and out of a busy warehouse and distribution centre. Suitably positioned so that lorry can see the displays they will direct a vehicle to its allotted bay or to a particular area of the site. Constantly updateable or with pre-programmed messages they are an invaluable asset to any large busy logistics company. Other applications throughout the transport industry might include roadside alerts, bus and train destination displays, ferry terminals, busy airports display passenger information. Ultimately the electronic sign is as flexible in application as you can make it.

Right: Lorry bay display using 250mm character height red digit displays

Above: Single line displays to Goods In area of warehouse detailing deliveries to each bay.

Above Left: a four sided display showing warning messages for pedestrians and forklifts operating in a confined and busy warehouse. The signs are triggered by PIR sensors. Character Height is 100mm

Left: 2 line 200mm character height display showing vehicle registrations directing to bay numbers

Transport & Traffic Displays

Passenger Information Displays

Left: Main display for Portsmouth Port showing Ferry information. Sign based on an MS32/150-1L Yellow UB LED's

Below: SpeedFerries Port Terminal display showing a count down timer to embarkation

Right: Car park allocation display for AVIS Car Rental. Display size: 40mm character height

Above: Combined message display for London Underground: Main scrolling message display is a 56 character 150mm with 3 smaller language displays above

Right: Red and green directional LED signs for passengers at ferry terminal

Passenger Information Displays

Above: Departure information for Indian railways system

Below: a simple time display for train departure information

Below: MS24/60-3L display showing passenger information and train times

Below right: Two line single colour display for general customer information at Hovertravel with static panel above.

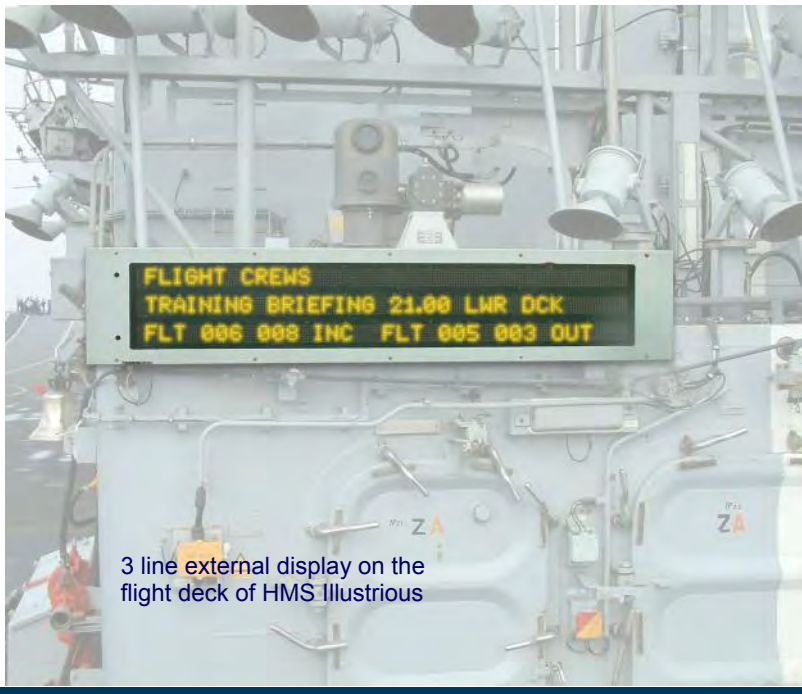
Below: Two line 16 character information display with countdown timer to show minutes to embarkation at a ferry terminal

Transport Displays

Above: Passenger information displayed on a message board for the main airport on the Falkland Islands. System also combines a small repeater display for departure lounge.

Above: Road works displays

Below: An entrance display also used as an information display for vehicles entering the site



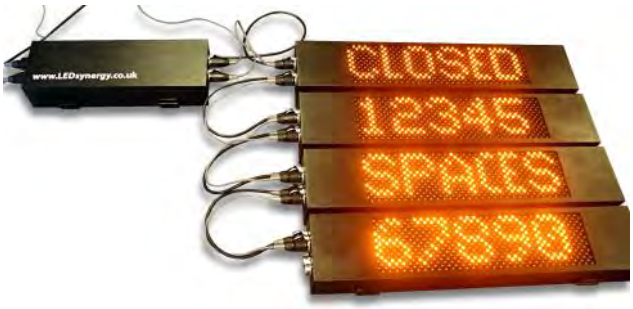
3 line external display on the flight deck of HMS Illustrious

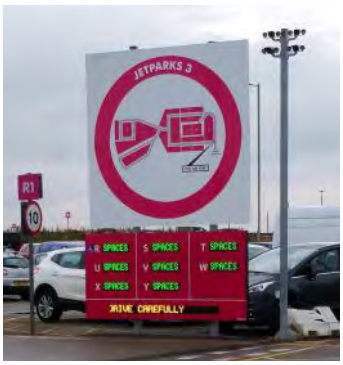
Transport & Traffic Displays

Car Park Displays

Left: 12 character 3 line display each showing count-down information for the number of spaces left in a car park

Below: 5 character displays for car parking displays





Car Park Displays

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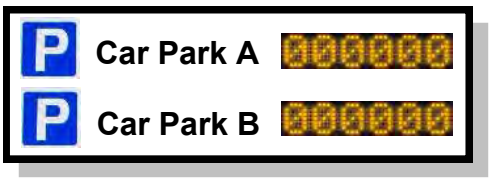
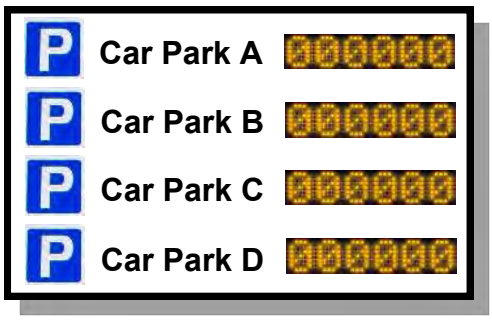


Two 6 character LED panels with static text

Three 6 character LED panels with static text



Four 6 character LED panels with static text

Shown here are some basic examples, many more options are available including size, colour, number of LED characters including full colour LED panels.

UTMC compliancy

The Urban Traffic Management Control or UTMC programme is the main initiative of the UK Department for Transport (DfT) for the development of a more open approach to Intelligent Transport Systems or ITS in urban areas.

UTMC systems are designed to allow the different applications used within modern traffic management systems to communicate and share information with each other. This allows previously disparate data from multiple sources such as ANPR cameras, Variable-message sign (VMS), car parks, traffic signals, air quality monitoring stations and meteorological data, to be amalgamated into a central console or database. The idea behind UTMC is to maximise road network potential to create a more robust and intelligent system that can be used to meet current and future management requirements.

Local authorities with UTMC have more control over their road network. Some examples of what they can do are:

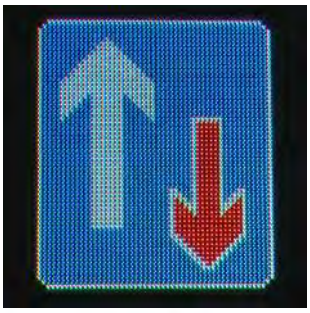
Advise
By monitoring how long it takes a vehicle to pass two ANPR cameras and then dividing the time by the distance between the cameras, an average speed can be measured and used to inform motorists via VMS how long it will take them to reach a destination, or to set diversions

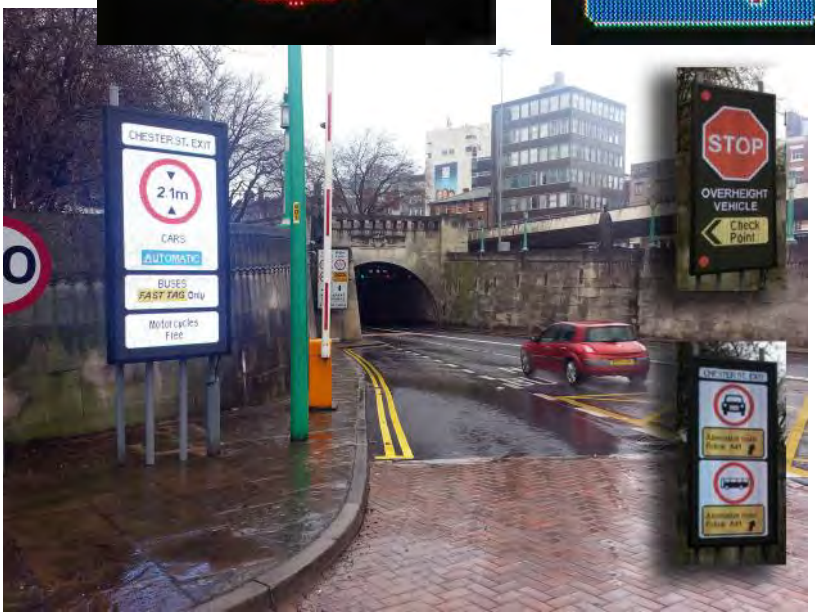
Warn
Wind detectors attached to a bridge give drivers of high sided vehicles warnings before they cross. The warning messages are displayed on VMS signs activated when wind speed thresholds are exceeded.

Guide
By linking parking guidance systems to a common database traffic control room operators can inform motorists via strategic VMS about the current state of car parks; especially useful for special events like carnivals when normal use is exceeded.

Transport & Traffic Displays

One Sign Series - VMS Sign

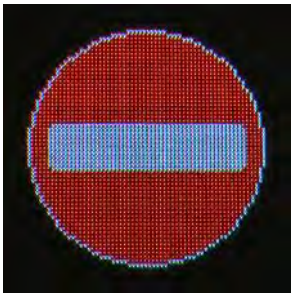




We are also an approved Highways England contractor

One Sign Series - VMS Sign

- Available in various TSRGD compliant
- diagram sizes.
- Pre-stored TSRGD diagrams and also fully programmable
- Low maintenance – easily serviced.
- PC friendly control software / Smartphone control
- Latest LED technology - complies to BS EN12966
- 5 Year RTB Warranty – Service Plan also available



Originally developed in conjunction with Lancashire County Council to provide more efficient messaging within their temporary 20mph Schools zones. LEDsynergy developed the **One Sign** to correctly display the TSRGD text fonts, diagram dimensions and enable more faithful reproduction traffic signage as the public know it.

This results in a new generation of traffic sign that allows almost infinite message displays for the same price of a traditional VMS sign that is typically restricted to just one or maybe two messages. We also know that cost of life, lead times and ease of maintenance is important which is why we have developed the **One Sign** using standard state of the art LED component modules that are time served in the commercial market. Lockable hinged opening ensures easy access and servicing in situ if necessary, to minimise down time and traffic management costs.

Our bespoke control software also has been designed to be as user friendly and cost effective to run. No more expensive call out fees and proprietary code – our supplied software is industry standard, PC friendly and can even be controlled via SmartPhone or other WiFi / Bluetooth / GPRS enabled device. This makes the signs even more adaptable for use in tunnels and controlled zones where frequent message changes need to occur. We even provide UTMC, NMCS2, NTCIP compatibility as standard and can communicate over FIBRE, GPRS, TCP/IP, PAKNET, RS485, WIRELESS as preferred!

Operation

OPERATION

LEDsynergy Transport Displays are easily programmable, with various methods of operation to suit almost any application.

PC Operation
LEDsynergy Transport Displays can also be programmed from remote locations using PC's and Windows Compatible Software.

The displays can be connected to PC's in various ways:

- Connected directly to a PC's Serial Communication Port
- Via dial-up modem
- Over Ethernet TCP/IP network

Messages are edited/ composed on PC and then downloaded or sent to the display.

POPULAR COMMUNICATION OPTIONS *(Many others are available)*

RS232 – Connected directly to the serial communication port of a PC. The cabling is limited to a maximum of 50 meters between the PC and the display. RS232 is suitable for single display applications with short cable lengths.

RS485 – Connected to the serial communication port of a PC via a RS232 to RS485 converter. Suitable for use in connecting many signs together on the same cable with no conflicts, in electrically noisy environments.

Ethernet – Connected directly into a TCP/IP Ethernet network, and assigned its own IP address. Suitable for use where there is an existing network infrastructure.

Modem – Connected directly to a modem that answers an incoming call from the PC operator, and will disconnect after the message has been transmitted. Suitable for use where there is an existing telephone line and other communication options are unsuitable.

Others – including Newswire, Radio Modems, Fibre Optics, please contact us for a more detailed information.

about us

As an established leader in the UK for electronic message display signs and with 40 years experience in the business of supplying programmable LED signs and LED displays, you can be sure that we'll give you the right advice and excellent service, these are the values that we hold dear.

We are a British company and we pride ourselves in our commitment to our customers, product performance and our quality of service. In the past 40 years or more we have installed in the region of nearly 20,000 LED screens and displays to a broad spectrum of clients. As a LED display LED screen manufacturer we are able to offer a complete bespoke solution from concept to commissioning offering you the most cost effective solution to your needs.

If you'd like to talk to us about how we can help you just call us. There's no obligation and we don't charge for quotations. We can work together to be sure that the LED sign solution we offer you is absolutely the correct solution for your requirements.

For demonstrations and to view our extensive range of LED displays please contact us to arrange a visit to our showroom at our base in Andover, Hampshire. Just call us on 01264 303030.

accreditations

LED Synergy Electronic Displays have 40 years experience in the manufacture and supply of electronic displays to many companies and individuals worldwide. We have a wealth of experience and expertise and have been accredited with the following certifications:

ISO9001

WEEE — WASTE ELECTRICAL and ELECTRONIC EQUIPMENT

RoHS — RESTRICTION of HAZARDOUS SUBSTANCES

CE — EUROPEAN COMFORMITY

UL — UNDERWRITERS LABORATORIES

safecontractor APPROVED — SAFE CONTRACTOR

BRITISH DESIGN & MANUFACTURE

We are also an approved Highways England contractor

highways england

- *Simple to operate products with bespoke software*
- *Value for money & satisfaction guaranteed*
- *Superb British manufactured products*
- *Excellent support & customer service*

VISA MasterCard VISA Electron SOLO Maestro

We accept most major credit and debit cards

"Well done, display looks good and thank you for all your help. Customers have expressed their delight at being continually advised with up to date information on the sailing."
Bill Moger - Stena Line

"We have continued to use LED displays in our ever expanding quest to inform our customers of ferry times and boarding information and we will continue to do so. With such reliable units service and support is rarely needed but their service and support is unrivalled." *Kevin Hatt (Engineering Manager) - Red Funnel Ferries*

"You provided a countdown display in record time, next time we will try and give you more notice ! Thank you for your excellent service and support throughout the project."
Dominique Didinal (Marketing Manager) - St Pancras Station

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CELEBRATING 40 YEARS