

**MAKING THE
MESSAGE
CLEAR**

PEGASUS

URBAN VMS LED SIGNS



The **PEGASUS** Urban Variable Message Sign and mounting system is the solution to providing a family of signs with a flexible matrix display suited for Urban applications.

Pegasus signs take advantage of improvements in LED technology performance, reliability, and message setting capabilities flowing from the latest generation of high resolution motorway sign designs.

The Pegasus family of displays offers a range of sizes, supporting 50mm, 100mm, 160mm and 240mm text, with a choice of resolutions to suit the application and budget. The signs are of modular construction and can be produced in almost any size and configuration, supporting 1 to 5 colours.

Pegasus utilises a separate LED for each colour to guarantee colour stability and compliance over the life of the product. The standard colours available are red, yellow, green, white and blue as defined by colour class C2 in EN12966.

Pegasus signs have an attractive appearance suited to today's urban streetscape and offer flexible mounting facilities for either landscape or portrait fixing.

There are five mounting arrangements possible for landscape fixing and three for portrait fixing, with other mounting options available on request.



Five mounting arrangements for landscape fixing and three for portrait fixing

GENERAL TECHNICAL SPECIFICATIONS

| Item | 7.19mm | 10mm | 15mm | 20mm |
|-------------------------------------|----------------|----------------|-------------|-------------|
| Minimum Character Size (7x5 Matrix) | 50mm | 70mm | 105mm | 140mm |
| Maximum number of Colours | 2 | 2 | 5 | 5 |
| Character Matrix | 32x32 or 16x32 | 32x32 or 16x32 | 16x16 | 16x16 |
| Character Size | 230mmx230mm | 320mmx320mm | 240mmx240mm | 320mmx320mm |

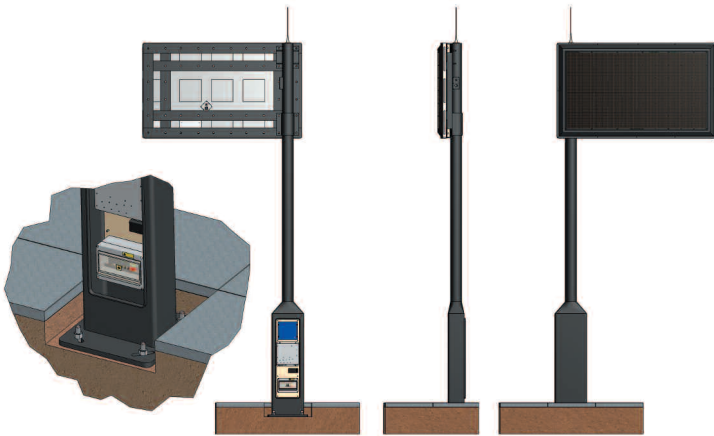
EN12966 Optical Classes: L3, C2, B4

STANDARD CONFIGURATIONS

| Item | 160mm equivalent character | 100mm equivalent character | 50mm equivalent character |
|--|----------------------------|---|---------------------------|
| Overall Dimension W*H*D (LANDSCAPE format) | 2000mm x 1200mm x 120mm | 1500mm x 930mm x 120mm | 1050mm x 700mm x 120mm |
| Display Area W*H (LANDSCAPE format) | 1760mm x 960mm | 1265mm x 690mm | 805mm x 460mm |
| Weight (provisional) | 97Kg | 65Kg | 38Kg |
| Matrix (LANDSCAPE format) | 176 x 96 pixels | 176 x 96 pixels | 112 x 64 pixels |
| Inter-Pixel Pitch | 10mm | 7.19mm | 7.19mm |
| Operating Temperature | -15°C ~ +60°C | | |
| Environmental Rating | IP56 | | |
| Optical Performance | TR2516B and BS EN 12966 | | |
| Provisional Mounting | POST FRAME | <i>Height: 4700mm overall / Weight: 150Kg / Fixing: 4 hole flange fixing (for sub-surface installation) or spigot Size: as sign / Weight: 160Kg for 160mm sign, 100Kg for 100mm sign. Cantilever mounting is available, details on request.</i> | |

Fixing

Fixing uses a universal mounting frame. The post has a fixed upper 4-hole mounting plate and an adjustable lower 4-hole mounting plate to accommodate frame in either orientation. Sign has simple keyhole-type drop-in fixings for quick fitting and removal, with a security clamp to prevent unauthorised interference.



Connections

Power is connected to a consumer unit in the post base. A post-mounted aerial is wired down to the modem/router in the post base; controller-to-sign commands are wired internally up through the post and exit through a gland plate at sign level. Sign has waterproof connectors on the rear plate. Power supply cutout can be fitted in the post base.

Input Signal

The operating interface is compatible with UTMIC.

Legibility

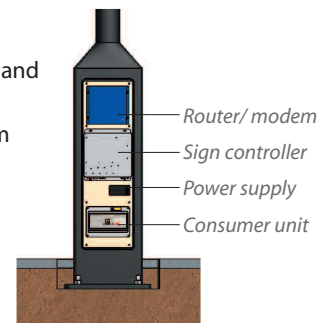
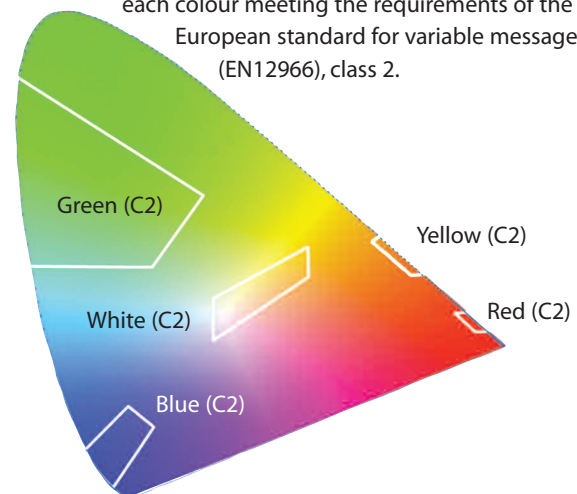
The legibility distances for 100mm and 160mm high characters with a 0.7 aspect ratio is 65-70m and 90-100m respectively.

Luminance Control

The sign has automatic luminance control for changing ambient conditions.

CIE 1931 Colour chart

Our Pegasus LED displays are available in up to 5 colours, with each colour meeting the requirements of the European standard for variable message signs (EN12966), class 2.



Highways Agency Type Approved

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VMS
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