

Mini Matrix™

Multiple message types in a single sign.
Supporting safer and more efficient networks.

This revolutionary concept removes the need for fixed aspect signage. The Mini Matrix delivers multiple message types in a single sign - replacing the need for multiple signage solutions such as Vehicle Activated Signs (VAS), Overheight, Speed Display Signs, Smiley SID and many more.

Traditionally, the marketplace has been focused on providing a one or two message-based fixed aspect sign to provide notifications to road users – be that speed related, advanced information on road layout or height restrictions. The Mini Matrix provides the opportunity to have a single sign that can be used to convey multiple messages and message types. It is designed to allow fully compliant TSRGD aspects to be displayed using the state-of-the-art TWM Central Management System (CMS).

The Mini Matrix comes complete with an MVD speed detection radar which allows it to be deployed in traditional VAS applications. The display can be programmed with a selection of TSRGD compliant aspects as would normally be associated with a fixed VAS sign – however given the flexibility of this sign virtually any TSRGD compliant message can be conveyed as and when circumstances change. Through the use of the CMS back office system, live data capture from the radar is relayed to allow for accurate monitoring of average road speeds, traffic flows and driver behavioural patterns.

The Mini Matrix allows the unique feature of adaptive speed control enabling road operators to actively change road speeds when adverse conditions exist, or when road traffic usage is impaired, thus removing the requirement to set out expensive temporary plate signs and mitigate the safety risks associated.



Key features

- Flexible display technology removes the need for traditional single function signs
- One sign to replace multiple signs
- 5 year warranty*
- Wireless cellular network connectivity
- High resolution colour capability RGB matrix display
- Adaptable to customer requirements
- Fully networkable
- Compatible with other TWM products
- Inbuilt Radar and Comms
- GPS positional information
- Data capture



This **adaptive speed control** is unique to TWM and the Mini Matrix, allowing road operators to actively change road speeds when adverse conditions dictate..."

DATASHEET

Mini Matrix™

With a class leading 12mm pitch full RGB matrix conforming to BS EN 12966, the Mini Matrix provides a high resolution solution ensuring a clearer image quality is achieved.

Due to its unique design, the Mini Matrix can be deployed as a standalone unit or as part of a larger system. Even when deployed as a standalone unit, it can be adopted into the CMS thanks to an inbuilt communications module that can be remotely enabled when an operator subscribes to the TWM communication package.



ITEM	DETAILS
Display Configuration	48x48 (3x3), 64x64 (4x4), 64x112 (4x7) - other sizes available
Display Type	12mm RGB Matrix
Dimensions (W x H x D)	576x576mm (3x3), 768x768mm (4x4), 768x1344mm (4x7)
TSRGD Roundel	Up to 750mm
TSRGD Warning Triangle	Up to 750mm
Radar	Integrated
Weight	3x3-19kg / 4x4-30kg / 4x7-50kg
Enclosure	Aluminium
Fixings	Sign mounting rail
Luminance Control	Integral Ambient Light Monitor (ALM)
Power	230V, 50Hz and 12V solar (3x3 and 4x4 only)
Communication Interface	4G/5G
Operating Temperature	- 15°C to + 60°C
Storage Temperature	- 20°C to + 60°C
Environmental Rating	IP56
Optical Performance	IBS EN-12966, 6 Colour
Paint Finish	Front Face: Matt Black / Enclosure: Grey

*Does not cover consumables, radar and power supplies.

Find out more

T: 01606 59 66 22 **E: sales@twmtraffic.com**
www.twmtraffic.com

Merlin Park, Unit 2, The Furrows, Trafford Park, Manchester M32 0SZ



a  pilot group company