

TRAFFIC TRAILER WITH FULLY PROGRAMMABLE FULL MATRIX LED DISPLAY



Traffic Management Systems // Your reliable partner.

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Quality System According to
EN ISO 9001:2000
Certificate Registration No. 04 100 20021575

Member of:



Telefon-Gradnja

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Rear end collisions are the most common way of traffic incidents on places of road work. Induced with traffic jam or sudden decreasing of speed collisions are happening on reduction of road area where the congestion is most likely. Main cause of accidents are careless drivers, speeding and disrespect of safety distance.

Traffic Trailer enables on time information about:

- current state of ahead road on any section
- closed traffic lanes or dangerous situations on oncoming section of the road like crash or congestion
- adopting of the speed on section of the road on which the road work is done and with that proper protection of the workers on lane
- alternative routes

Alternative use in areas with children, special transport and emergency services.

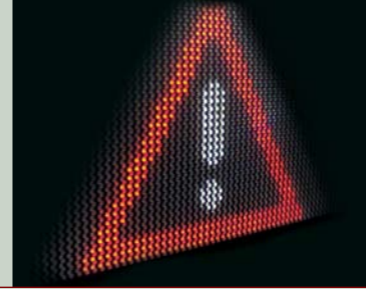
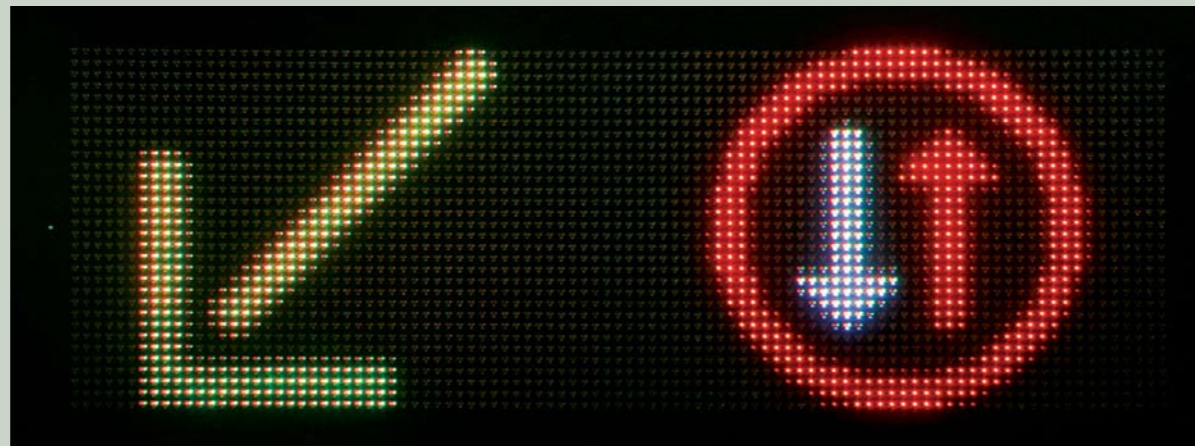


Basic Features:

- > Mobility
- > Excellent optical properties
- > Highly recognizable and outstanding uniformity of displayed symbols
- > High level of mechanical protection
- > Low picture degradation during exploitation due to low LED drive current
- > EMC and environmental immunity
- > Bluetooth interface
- > Independent control, adjustment and reporting on every single LED
- > Internal measurement and sign temperature alert
- > Light intensity adjustable continuously from 0 ... 100% in 1% steps
- > Capable of storing up to 100 various symbols
- > Ability to display symbol sequences at 25 symbol per second rate
- > Modular design, ability to combine various dimensions, color combinations and pixel raster as per specific requirement
- > Able to display characters in true type fonts
- > Text displaying with smoothening (anti-aliasing)

Main Components of Traffic Trailer with Fully programmable LED Display:

- > Housing designed for outdoor exploitation:
 - back panel service door
 - materials adopted in accordance with EU norms (AlMg2/3, AlMgSiO,5)
 - extremely durable self cleaning front panel lenses
- > Intelligent Control and Drive Modules
- > Power supply Modules (AC-DC SMPS)
- > LED's mounted on Printed Circuits Board
- > Temperature supervision Modules
- > Ambient (External) Light Intensity Measuring Module
- > Circuits and Equipment for Climate Control (thermostat, hydrostat, ventilation system)
- > various Communication Modules (RS485/422/232, Ethernet, GSM/GPRS, Bluetooth, Wireless)



Technical data:

AC Supply:	230V 50Hz(-15%do+10%)	
DC Supply:	10...16VDC	
Over-voltage/current and Surge Protection:	varistors, fuses, opto-couplers, suppressors, gas dischargers	
LED Control:	every LED separately	
Pixel raster	12 mm minimum	
Classification according to EN 12966:	LED Intensity (Luminance) :	L3,L3(*),L3T
	Luminance ratio:	R2-R3
	Beam width:	B1-B7
	Color Class:	C2
	Temperature:	T1, T2,T3 (-40 - +60)
	IP protection	P2, P3 (IP55 - IP66)
Communication Protocol:	TLS, PROFIBUS, MODBUS, TCP/IP (others on demand)	
LED Monitoring and Test:	Continuous, for each LED separately, testing of both ON and OFF state	

Certified in accordance with the following Norms:

- > Visual performance certified according to EN-12966-1 - Variable, vertical road traffic signs Part 1: Variable message signs
 - "INTRON B.V", Netherlands CE EN 12966 Notified Body, testing reports: EC-Certificate of Conformity Certificate No. 0958-CPD-SG003/1
- > German Bundesanstalt für Strassenwesen (BASt) Regulation V4-37-2006
 - Testing report NOTIFIZIERUNGSNUMMER 0760,30th June 2006
- > Electrical features
- > Vibration tests (IEC 60068-2-34, IEC 60068-2-37)
- > Temperature requirements (Cold in accordance to IEC 60068-2-1, Dry Heat in accordance to IEC 60068-2-2, Humidity in accordance to IEC 60068-2-30, temperature range in accordance to IEC 60068-2-14)
- > Degrees of Protection provided by Enclosure in accordance to IEC 60529
- > Environmental Standards for Shock in accordance to MIL-810C
- > General Requirements - Information technology equipment - Safety in accordance with IEC 60950-1
- > EMC testing in accordance to:
 - EN 55022; EN 61000-3-2;EN 61000-4-2; EN 61000-4-3; EN 61000-4-4; EN 61000-4-5;EN 61000-4-6; EN 61000-4-11

European Certificate of Conformity

