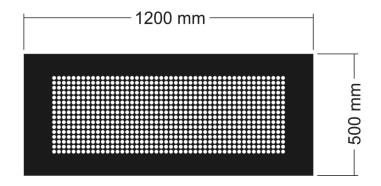


DMV FULL COLOR MATRIX SIGNS

TRS-RTNM-P1V4-16x48-W-LS-ED-ETH



Main features

Certificate EN12966-1:2005+A1: 2009.

Type of sign Single color (white) VMS for alphanumeric characters.

LED LEDs with high luminous intensity and long life time.

Maintenance Hardware is designed so that each part can be easily removed and

replaced.

Brightness control Brightness could be:

a) Automatically adjustable according to external illumination measured

by light sensor.

b) Automatically adjustable according to actual day time using precise algorithm. Precise daytime brightness algorithm depends on

geographical location where the sign is installed, taking into account

daytime changing during whole year.

c) Pre-adjusted or set from the system.

Temperature monitoring The VMS equipped with sensors for continuously measuring the

temperature inside the cabinet.

Temperature monitoring and control system provides optimal working temperature and prevents condensation or component overheating. System also protects LEDs from temperature peeks that might happen

during device operation.

Internal time VMS has real time clock with 2ppm precision.

Operation logs Logs system provides a lot of information about working conditions.

Logs are stored in VMS internal memory and could be depend on implemented hardware: VMS reset, maximal and minimal temperature in the cabinet, cooling and heating system activation, messages

displayed, malfunctions as – short circuit, open circuit and thermal error







for each individual LED per each color, light sensor malfunction,

overheating, communication errors.

Precise time when each log happens also is recorded in the VMS

memory.

LED error LED error detection feature. LED self-error detection and thermal error.

Error history is stored into sign memory. Self-diagnostic is invisible –

does not affect display information.

Interfaces Ethernet

Protocols UDP or TCP/IP oriented communication protocol.

Setup of IP parameters over network (IP address, mask, gateway

address), without opening the sign. Firmware update over network.

Power consumption ~ 80 W

Power supply 230VAC/50Hz

Mechanical features

Housing dimensions (VxH) 500 x 1200 mm

Approximate weight ~ 20 kg

Material Aluminum AlMg3, powder coated, resistant to aggressive atmosphere.

3 mm thickness.

Housing color Gray, RAL 9007

Front color Black, RAL 9005

Physical performance T1, T2, T3 / P3 in accordance with EN12966

Resistance to pollution D3 in accordance with EN12966

Opening From the front side.

Optical features

Optical performance in Luminous intensity: class L3 / L3(*) / L3(T)

accordance to EN12966 Contrast ratio: class R2

Beam width: class B4 Color: class C2

LED currentsConstant current LED drivers, stable luminance, independent of the

mains voltage tolerances.

LED protection UV resistant lenses for each LED.

Display features

Resolution 16 x 48 pixels

Pixels pitch 20 mm







Matrix field 320 x 960 mm

Pixel composition 1 LED

Operation

Text messages VMS is able to display different character heights of alphanumeric

characters.

A number of available text messages and pictograms in display

memory.

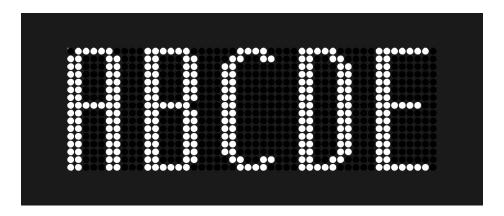
User can create its own message, font or pictograms.

VMS supports English and Czech characters.

Possible to change alternatively 2 or more messages and pictograms

with programmable intervals.

Possible display scenario







Dimensions and preliminary layout

