COEVAL
Intelligent illumination

Mobile Variable Message Signs (VMS)

DISPLAY SPECIFICATIONS

Pixel Pitch (mm)	20
LED Composition	3-in-1 SMD
Overall Dimension (HxW mm)	840 X 2440
Active Area (HxW mm)	640 X 2240
Screen Resolution (HxW pixels)	32 X 112
Basic LED Module Size (HxW mm)	160 X 320
Basic LED Module Dots (HxW pixels)	8 X 16
Quantity of LED Modules (HxW pcs)	4 X 7 = 28
Display Colour	Full Colour
Display Content	Images / Text / Alphanumeric
Character Size (HxW mm)	160 X 100
Character Pixels (HxW pixel)	8 X 5
Character Spacing (mm / pixels)	40 / 2
Line Spacing (mm / pixels)	80 / 4
Minimum Lines of Characters	3
Minimum Characters Per Line	15

EN12966 CRITERIA

Beam Width	B6
Luminance	L3 / L3
Contrast Ratio	R3
Colour	C2
Working Temperature	T2
Mechanical Protection	IP56

MECHANICAL SPECIFICATIONS

Cabinet Material	Aluminum
Service	Front Maintenance
Hinge	Inner Water Guide Hinge
Painting Colour	Front: RAL 9005 Sand Pattern; Back: RAL 7035 Sand Pattern

CONTROL SYSTEM

Communication	RS232/ RS485/ Ethernet RJ45 / 4G Modem
Protocol	JETFILE II
Brightness Control	Auto / Manual / Scheduled
Pixel Error Detection	Included
Hand-held Controller	Included
4G Modem	Not Included

ELECTRONIC SPECIFICATIONS

Working Voltage	12 / 24V DC
Max Power Consumption (W)	270
Average Power Consumption (W)	100
Approx Weight (KG)	70
Light Sensor (1 x front, 1 x rear)	Included
Cable Positioning	Standard
Grounding Method	Independent connection to earth from the device PC board
PG Connector	PG13.5
Signal Cable Waterproof Sleeve	Interconnection by RJ45, Interconnection by RS232
LED Lifespan	100, 000 hours

SPECIFICATION FOR TRAILER TYPE A2

Model	Type A2 for above VMS
Standard	E-mark
LED panel structure	EN12966 VMS
Trailer width (mm)	1840
Trailer length (With draw bar)	2503
Powder coating colour	Amber(pantone116C) / Orange (pantone 1585C) / Glossy white
Wheel Size	165/R13
If the Jack can be stretchable	Yes
Trailer coupler size	50mm
Lifting System	Hydraulic
360 degree rotation for the VMS board	Yes
Standard equipped battery capacity	2 x 12V 200AH (total 400AH)
Standard equipped solar panel	2 x 110W (total 220W)
Brake	No
Anti-theft chain	No but it is optional
Anti-theft lock for battery boxes	Yes
Taillight	Yes
License plate lamp	Yes
AC Charger	Yes
Solar Regulator	Yes
Trailer Materials	Q235 rolled steel
Rustproof treatment	Electrophoresis and Electrostatic spraying or hot dip zinc
Connecting screws	304 stainless steel (316 stainless steel is available for corrosive environment)
Weight (Without panel)	About 640kg

Disclaimer: All Information contained in this document is up-to-date and correct at the date of issue. E&OE. Issue no: 2 - 22.3.22

Speak to our experts, contact us today on 0141 255 0840

ABOUT US

Coeval delivers infrastructure technology that advises, informs and influences road users to help create a safer environment for us all. Visit our website to see our wider solution offering.

t 0141 255 0840 **e** info@coeval.uk.com

coeval.uk.com

COEVAL

Intelligent illumination