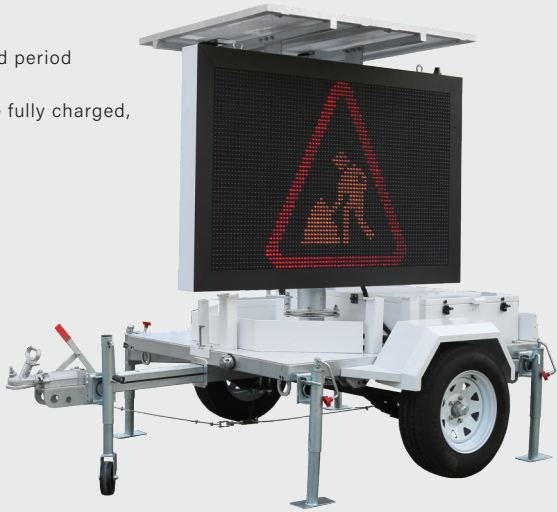# Mobile (Trailer) VMS

Mobile VMS with Modular Design (EN12966)

- The energy-efficient operation allows the VMS to be operational for an extended period
- Solar charging system with MPPT charging management
- Automatic shut-down function for the solar charging system when batteries are fully charged, preventing damage to batteries
- Provide AC charger to quickly charge the battery
- The battery box can be locked against unauthorized access
- The VMS can be rotated and lifted to provide an accurate display angle
- The retractable jack provides wind resistance and stable parking
- Radar speed measurement function to record the state of vehicles on the road

MC20 Controller

- Easier control with touch-screen screen handheld controller
- Firmware can be updated by USB
- RS485 serial port is supported
- Text editing and picture transferring directly via MC20
- VMS status detection and work log

Touch Screen   Support RS485

Update via USB   MC20 Transmission

Mobile VMS with PC Cover Design

- PC cover protection, effectively preventing graffiti
- VMS can be controlled by either a remote controller or network server
- The VMS can be rotated at 360 degrees after being lifted
- GPS function is available, users can monitor the location of Mobile VMS
- Cooling fans protect sign cabinet and battery charger from overheating

Protection   360 Degree Rotation

GPS   Rapid Heat Dissipation

Specification

Model	TVMS-20M-SMD	TVMS-25M-SMD	TVMS-31.25M-SMD
Pixel Pitch (mm)	20	25	31.25
LED Type	SMD		
Module Resolution (pixels) (H×W)	8×16		
Module Size (mm) (H×W)	160×320	200×400	250×250
Maximum Resolution for Trailer Mounted VMS(pixels) (H×W)	48×80	56×96	64×96
Maximum Size for Trailer Mounted VMS (mm) (H×W)	960×1600	1400×2400	2000×3000
Cabinet Dimension (mm) (H×W×D)	1160×1800×120	1600×2600×120	2085×3200×180
Display Color	Single or Full Color		
Brightness	Red > 3100 cd/m², Green > 3720 cd/m², Yellow > 7440 cd/m², White > 12400 cd/m²		
Physical Characteristics			
Enclosure Structure	Aluminum Housing with Waterproof Modules		
Working Temperature	-25℃ ~ +60℃		
Humidity Range	RH<95%		
Ingress Protection Class	IP65		
Maintenance Access	Front		
Electrical Specifications			
Solar Power System	DC 12V		
Sensor	Light Sensor		
Communication	RS232 / RS485 / Ethernet Via RJ45 / 3G / 4G / 5G		
Protocol	NTCIP 1203 / MODBUS / UTMC / XML / JetfileII / Profibus / RSMP / HTTP / API		
Trailer Specifications			
Spraying Process	Hot Dip Galvanized / Electrostatic Powder Spraying		
Lifting System	Hydraulic Lifting System		
Trailer Size	Type-A: 1750mm×2250mm	Type-B: 2050mm×2450mm	Type-C: 2050mm×3550mm
Total Weight of Trailer and VMS	Type-A: About 700KG	Type-B: About 1000KG	Type-C: About 1200KG

Specification

Model	TVMS-55/50PC	
Pixel Pitch (mm)	55(H), 50(W)	
LED Type	4R3G3B4Y3W	4Y
Model Resolution (pixels)	4×8	
Module Size (mm) (H×W×D)	220×400	
Maximum Resolution for Trailer Mounted VMS (pixels) (H×W)	28×48	
Cabinet Dimension (mm) (H×W×D)	1845×2725×105	
Display Color	Five Color	Single Yellow
Luminance	Yellow / White > 6200 cd/m², Red / Green > 2800 cd/m²	Yellow > 6200 cd/m²
Sensor	Light Sensor	
Physical Characteristics		
Enclosure Structure	PC Cover + Aluminum Housing	
Working Temperature (°C)	-25°C ~ +60°C	
Humidity Range	RH<95%	
Ingress Protection Class	IP65	
Electrical Specifications		
Solar Power System	DC 12V	
Communication	RS485 / Ethernet Via RJ45 / 3G / 4G	
Protocol	NTCIP 1203 / JetfileII	