

# KAMELION SSA-3 PORTABLE RADAR SPEED FEEDBACK AND MESSAGE SIGN

During your speed awareness campaigns, the KAM SSA-3 Portable Speed Display is a powerful, fast-deployable tool that positively influences driver behavior. Its full-matrix display provides maximum visibility and pedagogical interaction to enforce the speed limit. In addition, the speed display can be used in information display mode, while still performing radar detection.



INCREASES DRIVER  
AWARENESS



PICTOGRAMS AND  
CUSTOM TEXT



DATA COLLECTION



**KAMELION**  
Advanced electronic signage





# KAMELION SSA-3 PORTABLE RADAR SPEED FEEDBACK AND MESSAGE SIGN

The KAM-15 is a 7-color, full-matrix speed display sign. With its 640 x 480 mm screen, it is possible to display digits with a height of 380 mm (15") while leaving enough space for a text box. The specially designed educational radar allows the configuration of the speed display sign. More than 10 preprogrammed pictograms (kam-Smart) are available depending on the displayed speed. In addition, the radar allows data collection and RRFB activation for excessive speeds. To prevent the speed display from becoming part of the urban environment and losing its positive influence, the Kamelion-15 can be transformed. In a programmable time slot, the kam-Smart (Educational Speed display) speed display function can become a KAM-Sens (road awareness) or a KAM-Sign Temporary signage.



## KAM-SMART Educational Speed Display

The KAM-SMART function makes configuration fast and easy. A digital screen is integrated into the radar, so the user can select speed ranges, pictograms, data collection and strobe activation. The pictograms and color speed display create an educational interaction with the road user. Turning on a speed display has never been easier. If necessary, the KAM-TOOL software allows you to customize the pictograms and define the speed ranges according to a schedule.



## KAM-SENS Road awareness

The KAM-SENS function is included with the KAM-15 device. With this function, the device can relay awareness campaigns on various road safety issues. An internal calendar allows you to choose messages according to the time of day or week. This function makes it possible to alternate the use of the KAM-15 between the speed display mode and the awareness campaign mode, which catches the attention of road users.



## KAM-SIGN Temporary signage

The KAM-SIGN function is included with the KAM-15 device. With this function, the device can report an unforeseen event that needs to be communicated to road users. Using the Matrix Image Editor software, which comes free of charge with the Kamelion, it is possible to create personalized messages and transfer them to the KAM-15 via Bluetooth. A Kamelion, installed on a transportable unit, will thus be able to perform the same functions as a variable message sign on a trailer.





# FEATURES OF THE KAMELION SSA-3 PORTABLE RADAR SPEED FEEDBACK AND MESSAGE SIGN

### 100 W Solar panel

As an option, a 100 W solar panel can be added to ensure energy autonomy.

### KAM-15 speed display

380 mm (15") Screen text messages and pictograms are tricolor according to the displayed speed limit. Digit figure ideal for use in residential areas or on a boulevard. As an option, the KAM-15 can be upgraded with the VMS software and become a Kamelion-VMS to make it possible to use it as both.

### Swivel post

The pole rotates 360° for easy orientation of the display with the road.

### Steel tray

Made of galvanized steel and coated with polyester powder paint to provide superior durability and protection against vandalism.

### Data gathering

Used to analyze the behavior of road users.

### Speed limit sign

Space is provided for the installation of a speed limit sign. (sign not included)

### Adjustable legs

Allow for level installation on any surface.



## Navigate Traffic Cloud™

A CLOUD-BASED PLATFORM FOR THE ADVANCED REMOTE MANAGEMENT OF ELECTRONIC TRAFFIC SIGNS

You can now set up your electronic signage and collect road traffic information directly online! Access your data, monitor and change the display of your smart signs from your computer, tablet and mobile phone. With the intuitive Navigate Traffic Cloud™ interface, you can locate your equipment on a map and get instant data on volumes by vehicle type and average speed, and compare with allowable limits.



## Stat Expert Software

- Traffic speeds by time slot.
- Speed variation (acceleration/deceleration).
- Classes (4) of vehicles (motorcycle, car, SUV and truck).
- Average speed and 85 percentiles.
- Number of vehicles per time slot.





# TECHNICAL SPECIFICATIONS OF THE KAMELION SSA-3 PORTABLE RADAR SPEED FEEDBACK AND MESSAGE SIGN

## Structure

|            |  |
|------------|--|
| Design     | Designed for use with the RSSA trailer.  |
| Materials  | Galvanized steel, painted with textured black polyester powder.  |
| Interior   | Secured by two hinged doors and an anti-theft system for the battery, charger, wall socket system, charge indicator, switch and storage space for 6 to 8 signs, depending on awareness needs.  |
| Protection | The case is also equipped with 4 type-4 reflective strips and rubber protective corners.   |
| Stability  | The device's weight of 700 lb (320 kg) and its 39"/990 mm wheelbase have been calculated to minimize its imprint on the road and maximize its anti-rollover property.  |
| Pole       | The steel pole rotates 360°, which makes it possible to angle the display towards traffic or keep it parallel to the structure during transport. The surface of the pole has perforations designed specifically for the speed display and prescription sign. |

## Driver Feedback Sign

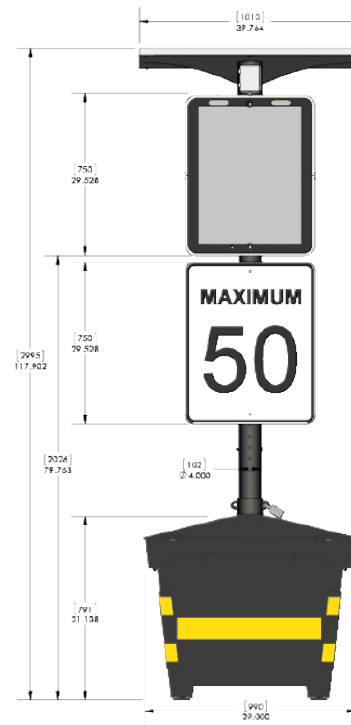
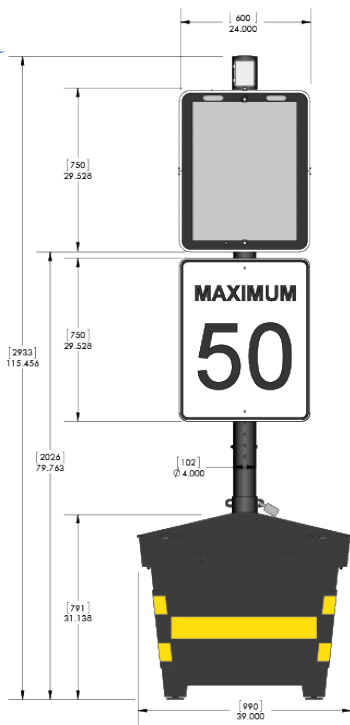
|                          |   |
|--------------------------|---|
| Model                    | Kamelion-15                               |
| Housing                  | Polyethylene (HDPE) with UV protection    |
| Sign face                | 5 mm (.188") polycarbonate with antiglare |
| Environmental Protection | IP65                                      |
| Weight                   | 26 lbs (12 kg)                            |
| Standard                 | ATC                                       |
| Screen format            | 640 x 480 mm (25 x 19")                   |
| Resolution               | 64 x 48 pixels                            |
| Angularity               | 50° x 100°                                |
| Visibility               | 300 m (1000')                             |
| Colors                   | RGB (red, blue, green) 7 colors           |

## 120-240 V Current Converter

|                       |   |
|-----------------------|---|
| Text                  | Messages and pictograms are tricolor according to the speed limit displayed |
| Max Power Consumption | 180 Wh  |
| Voltage in            | 10,8 to 15 VDC  |
| Connector             | Snap-in, overmolded IP67, 10 mm OD  |
| Communication         | Bluetooth, 50m (160') range   |
| Strobes               | 18 Watts ambers   |
| Photocell             | Variable according to ambient light   |
| Text                  | Up to 8 lines of 12 characters of 70 mm (2 3/4")                            |
| Operating temperature | -40 à +65°C (-40 à +149°F)  |

| Product Number      | Description  | Box : Dimension - Weight          | HSS Code |
|---------------------|--|-----------------------------------|----------|
| <b>Assembly Kit</b> |  |                                   |          |
| #38500              | KAM SSA-3 Portable Speed Display with 110 Ah battery (1)   | Skid<br>42 x 48 x 80 in<br>800 lb | 8530.90  |
| #38504              | KAM SSA-3 Portable Speed Display with 110 Ah battery (1) and CLOUD modem                         | Skid<br>42 x 48 x 80 in<br>800 lb | 8530.90  |
| #38493              | KAM SSA-3 Portable Speed Display with 100W solar panel unit and 110 Ah battery (1)               | Skid<br>42 x 48 x 80 in<br>800 lb | 8530.90  |
| #38497              | KAM SSA-3 Portable Speed Display with 100W solar panel unit , 110 Ah battery (1) and CLOUD modem | Skid<br>42 x 48 x 80 in<br>800 lb | 8530.90  |
| <b>Options</b>      |  |                                   |          |
| #37319              | Access and annual fees to Navigate Traffic Cloud™ web platform                                   | Included in kit box               | N/A      |

**Included in kit :** Two (2) years Limited Warranty against defects in workmanship and materials.



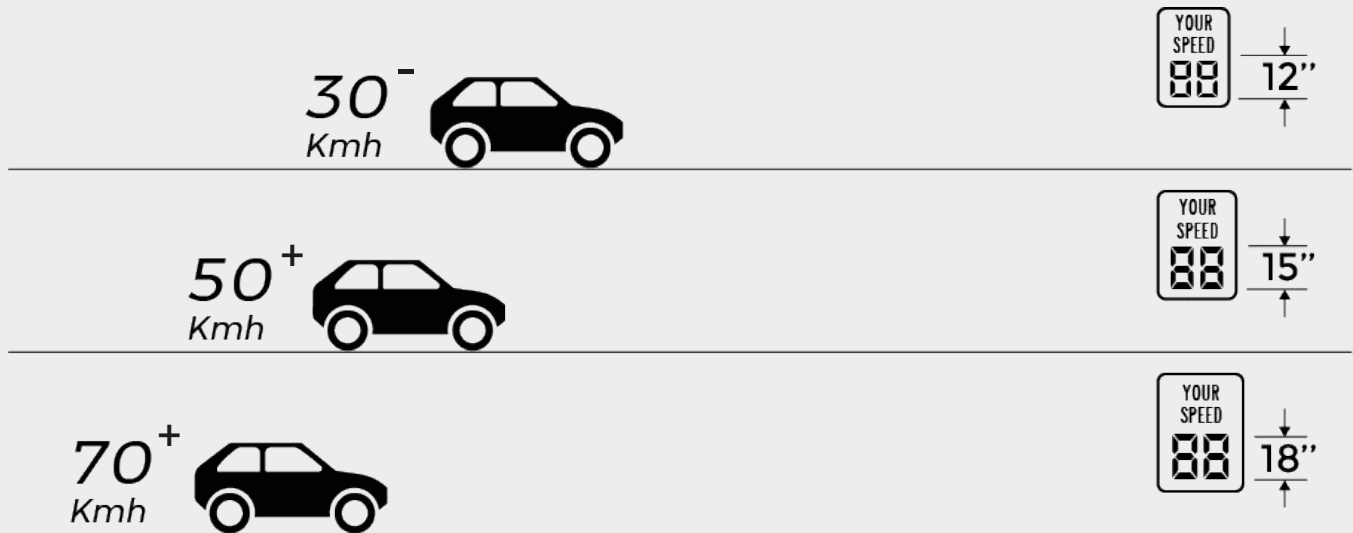
**KAM-SSA-3 with battery**

Battery 110 Ah lithium battery (1)  
 Autonomy 5 to 7 days  
 120V Wall charger 25 Amp, Noco GeniusPro25 for overnight batteries recharge.

**KAM-SSA-3 with 100W solar panel unit and battery**

Battery 110 Ah lithium battery (1)  
 120V Wall charger 10 Amp, Noco Genius10  
 Solar panel 100 W monocrystalline constantly recharges the battery.  
 Solar Charger MPPT, 10 Amperes  
 Autonomy Autonomy : about 5 days without sunlight.

**VISIBILITY**



A long reading time will have a positive impact on the behavior of road users. Higher the speed limit is, higher the digits must be in order to give drivers the time necessary to read messages and adjust their speed.