



**DESCRIPTION**

A high quality vehicle activated sign featuring high definition graphics, data collection, Wi-Fi communication and optional power systems, the INVINCA VAS delivers a clear message to approaching drivers as a Speed Indicating Device.

Embedded in our proven INVINCA sign system the INVINCA VAS adds the latest technology to a recognisable piece of road signage, providing interactive feedback to drivers.

**CONSTRUCTION**

<b>Body</b>	One piece UV stabilised moulded body in black, with an inset 5mm high impact polycarbonate protective panel in front of the LED display.
<b>Fixing</b>	Cast aluminium (LM6M) back door assembly available with either 76mm post top or Vari- x mid post xing. Compatible with all INVINCA xing accessories. Optional portable tripod mounting.

**ELECTRONICS**

<b>Display</b>	384mm x 384mm screen size using single chip SMD (RGB) LED's on a 6mm pitch providing a 64 x 64 pixel screen which when viewed from greater than 6 Metres provides a visually coherent display. Lighting L2, Chromaticity C2 , Ratio R2, Uniformity A & B (BS EN 12966:2005). 12 level auto dimming with ambient sensor.
<b>Radar</b>	Low power K-Band, 24 GHz, Frequency Modulated Continuous Wave (FMCW) radar with a range of up to 180 metres and detection of up to 99 mph. Low speed threshold 7 mph.
<b>Power Requirements</b>	5/12volt core supplied via in built 240 volt power supply or integral batteries. Max power consumption 22 watts (2 watts standby) .
<b>Data Collection</b>	Collection of data to internal memory ( > 1M records) and downloaded though the integrated Wi-Fi connection in csv format. Vehicle count taken at 20m from Invinca VAS with >93% accuracy. Stealth mode available - display disabled with data collection active.
<b>Operating Temp.</b>	-20 C to +60 C
<b>Ingress Protection</b>	IP56
<b>Impact Resistance</b>	IK08
<b>Con guration</b>	Program interface con gurable through integrated Wi-Fi allowing adjustment of speed threshold, over-speed and under-speed cut-off, radar range and data logging preferences which includes stealth mode.

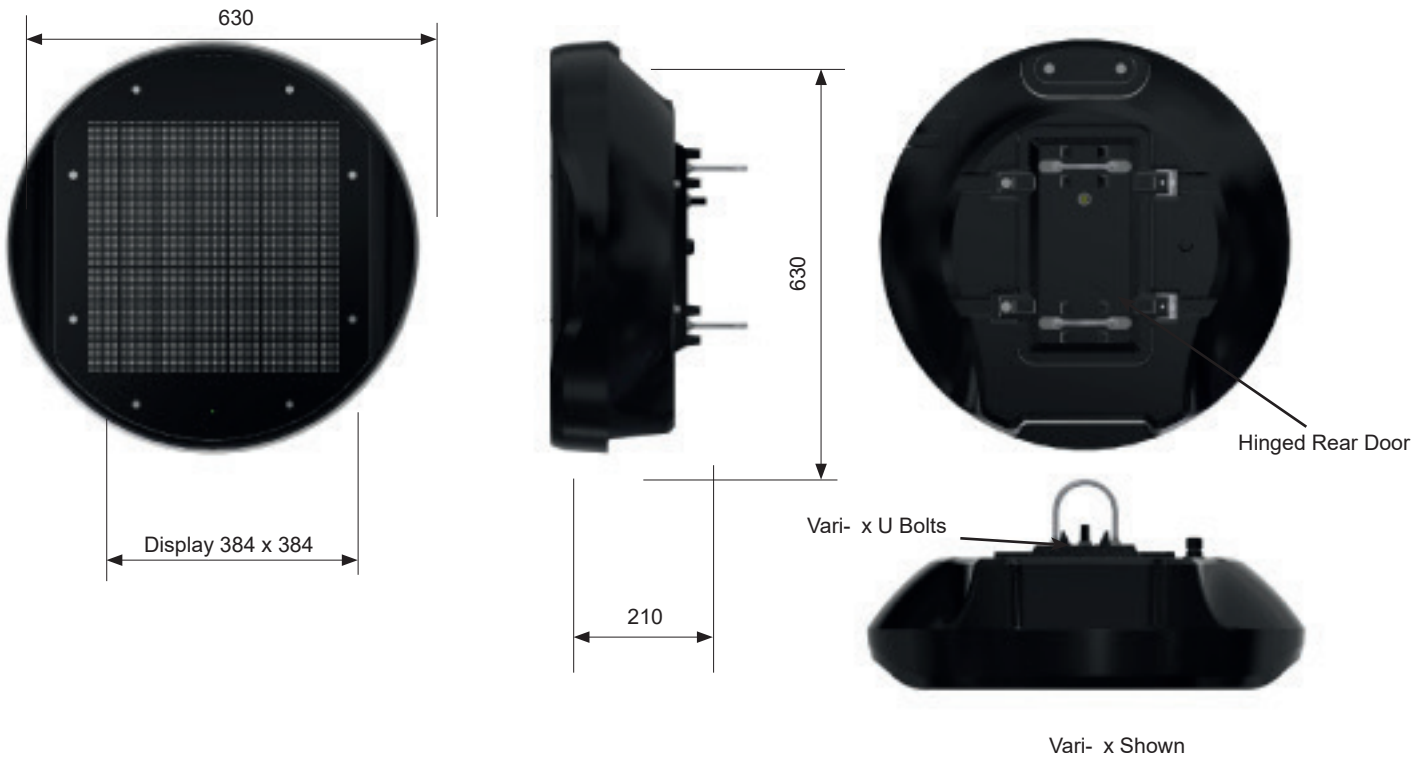
**OPTIONS**

<b>Mains</b>	Permanent 240 v mains operation.
<b>Mains/Battery</b>	Semi-permanent mounting on a switched lighting column, where battery charging takes place at night in order to power the INVINCA VAS throughout the day.
<b>Battery</b>	INVINCA VAS with integral battery and optional freestanding tripod mount, ideal for temporary deployment with back to base charging Battery suf cient for 12,000 activations.
<b>Mounting Options</b>	Mid Post Vari- x for 76,89 & 114 mm posts Post Top Socket xing for 76mm posts. Vari-band banding cleats for use with banding systems. Heavy duty tripod






Further advice on the INVINCA VAS including specific installation requirements is available from IPL group. Measurements and weights are approximate. The designs are the property of Innovative Products Ltd (IPL group) and may not be reproduced without express permission. Innovative Products reserve the right to amend specifications or to withdraw models without prior notice. © August 2018.



**DIMENSIONS**



**MOUNTING OPTIONS**

	 Mid Post with Vari- x 76, 89 and 114mm	 Vari-band banding cleats	 Optional Post Top 76mm	 Optional Tripod and Mount	 Battery Charger
Permanent 230v Mains Installations	✓	✓	✓	✗	✗
Battery operated with internal battery charger. Mains charging lead supplied for 'return to base' charging	✓	✓	✓	✓	✓
Battery with internal battery charger. For use with adjacent power supply which may be photocell switched to allow over-night charging	✓	✓	✓	✗	✓






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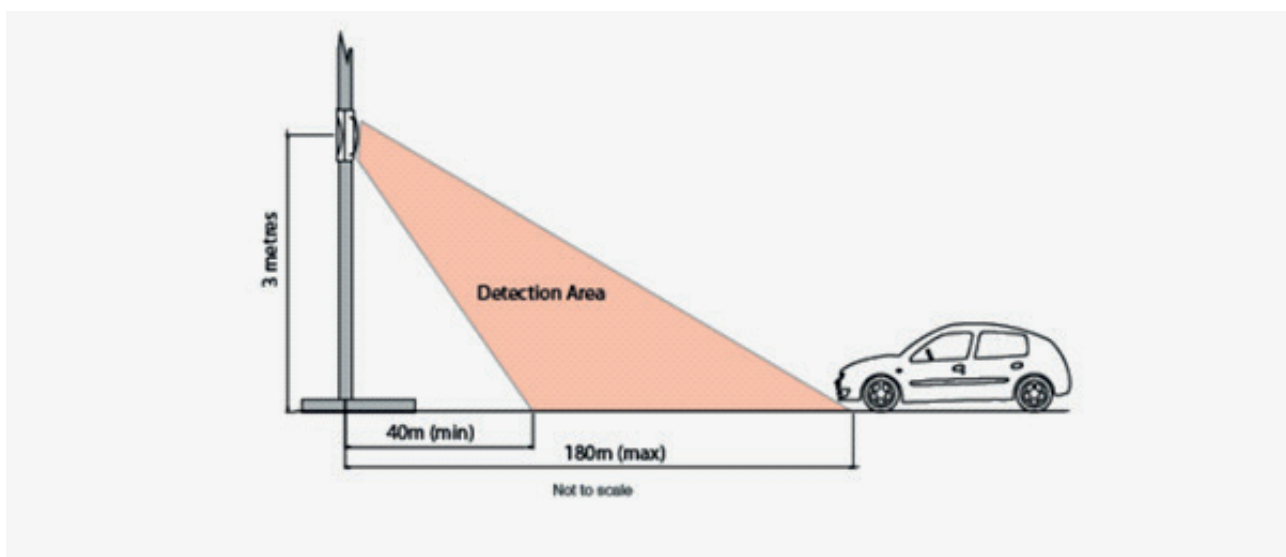
### PACKAGING DETAILS

Product	Weight	Packing	Dimensions	Pack Quantity
INVINCA VAS 230v	10	Carton	TBA	1
INVINCA VAS with Battery	22	Carton	TBA	1
Tripod	4.5	Carton	TBA	1

### GRAPHIC CONFIGURATION

	Start of message	Under or Equal to Speed Threshold		Over Speed Threshold	
Timing :	1 second	1 second	2 seconds	1 second	2 seconds
Display :					

### RADAR DETECTION ZONE



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