

## DESCRIPTION

A high quality vehicle activated display 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. The INVINCA VAS features a Frequency Modulated Continuous Wave Radar providing vehicle count accuracy of >93%.

## CONSTRUCTION

<b>Body</b>	One piece UV stabilised moulded body in black, with an inset 6 mm high impact polycarbonate protective panel with an anti-glare hard coat finish in front of the LED display.
<b>Fixing</b>	Cast aluminium (LM6M) back door assembly available with either 76mm post top or Vari-fix mid post fixing. Compatible with all INVINCA fixing accessories. Optional portable tripod mounting.

## ELECTRONICS

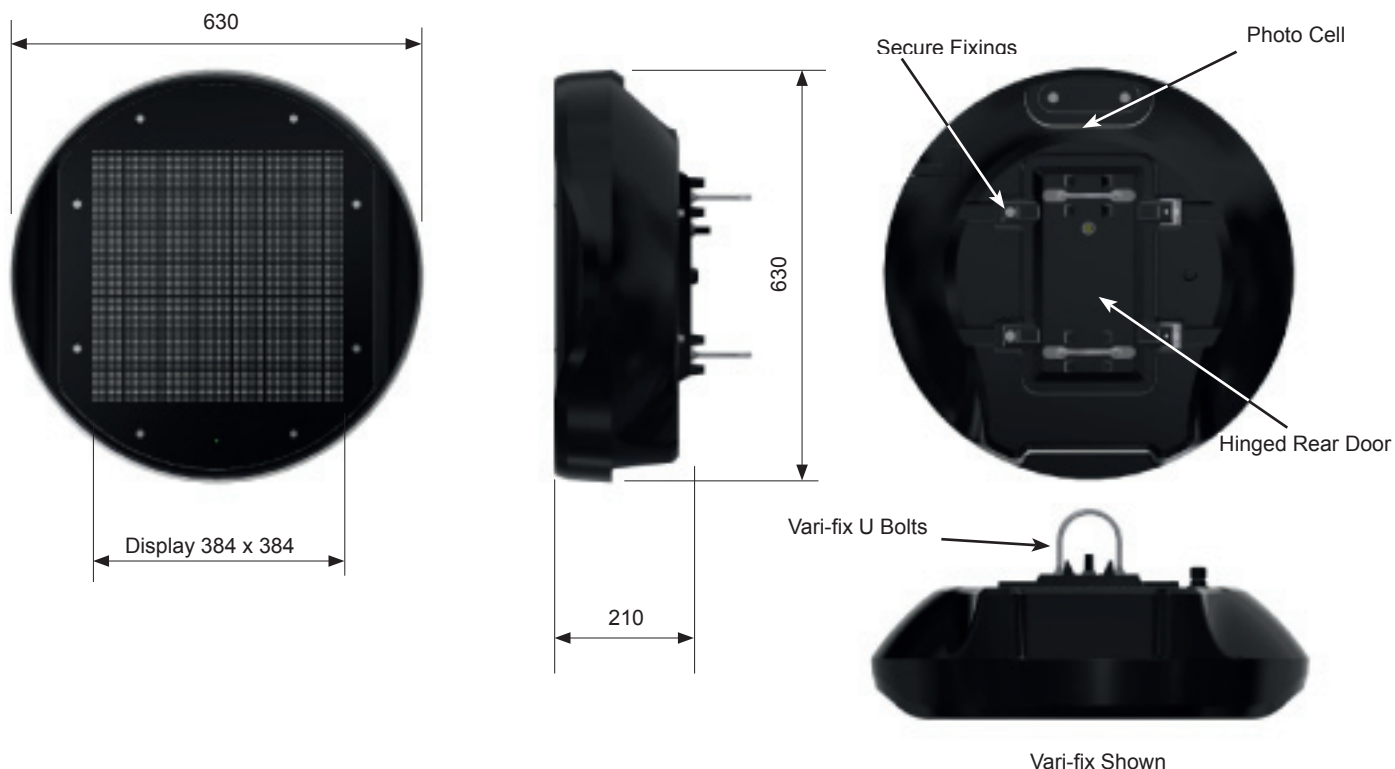
<b>Display</b>	384mm x 384mm screen size using single chip SMD (RGB) LED's on a 6mm pitch providing a 64 x 64 pixel screen which when viewed from greater than 6 Metres provides a visually coherent display. 32 level adaptive dimming with ambient light sensor. Beam width 30° in both horizontal and vertical planes to reduce light spillage.
<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 23.2 watts (2 watts standby) .
<b>Data Collection</b>	Collection of data to internal memory ( > 2M 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>	-10°C to +40°C
<b>Ingress Protection</b>	IP55
<b>Impact Resistance</b>	IK09
<b>Configuration</b>	Program interface configurable 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 sufficient for 12,000 activations.
<b>Mounting Options</b>	Mid Post Vari-fix for 76,89 & 114 mm posts Post Top Socket fixing for 76mm posts. Vari-band banding cleats for use with banding systems. Heavy duty tripod

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## DIMENSIONS



## MOUNTING OPTIONS






	 Mid Post with Vari-fix 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 a group switched lighting circuit to allow over-night charging	✓	✓	✗	✗	✓

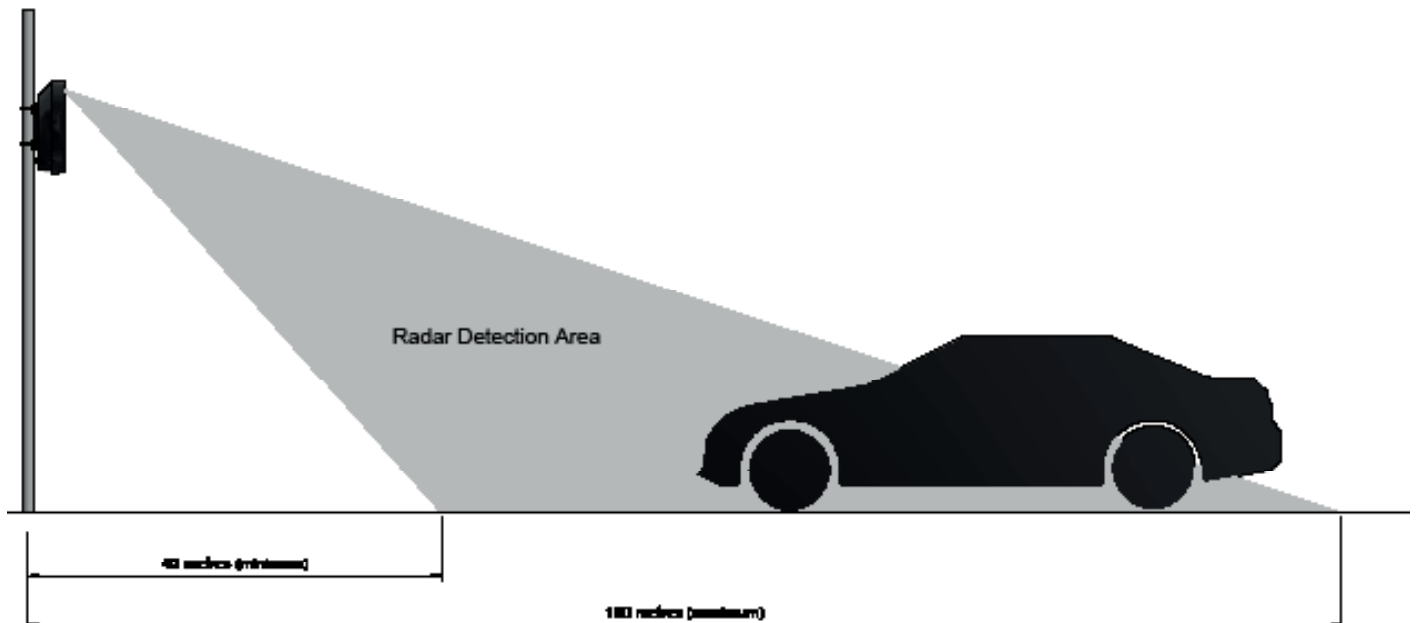
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## PACKAGING DETAILS

Product	Weight	Packing	Dimensions	Pack Quantity
INVINCA VAS 230v	13	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	3 seconds	1 second	3 seconds
Display :					



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