

# AGD 343

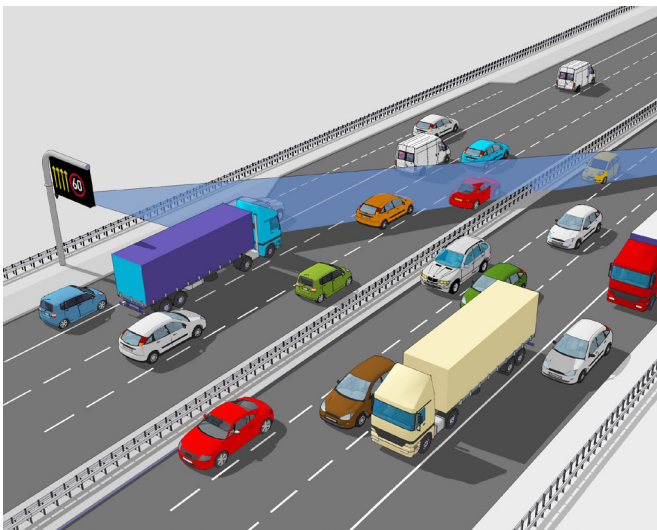
## HIGHWAYS MONITORING RADAR

PRODUCT BROCHURE

**The AGD 343 Highways Monitoring Radar is an easy-to-integrate traffic flow monitoring solution that provides real-time data on multi-lane highways. Designed for traffic profiling and incident detection, the 343 dramatically enhances highways safety, capability and efficiency.**

AGD's 343 employs proven enforcement-grade radar & measurement techniques to quantify speed, range and length of passing vehicles. Detailed traffic information - such as, 'is traffic free-moving, slowing or starting-to-queue?' - is available in all weather conditions to inform control rooms and allow instant decision making.

AGD radar can replace intrusive high-maintenance loops, mounting on existing roadside poles or gantries where it 'looks' across the road at 30 degrees. The additional capability to operate at a  $\geq 2$ -metre offset, while maintaining a 6-metre plus mounting height, ensures reliable operation in managed motorway scenarios and ALR (All Lanes Running) schemes. The 343 has been designed to cope with the many difficulties facing international road network installations.



Multi-Lane Highways Monitoring Radar



### Features

- Flow monitoring solution for multi-lane real-time data
- Traffic Profiling and Incident Detection
- Ten lane highway capability
- Enforcement grade radar & techniques
- Identifies, tracks & measures speed, length, lane/direction of individual targets
- Multi-level incident detection mode
- Non-intrusive loop replacement
- Mounts on existing infrastructure
- Simple to install, setup and configure using AGD Align

### Highways



*safer, greener, more efficient*

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**THE  
TRAFFIC  
GROUP**

# AGD 343

## HIGHWAYS MONITORING RADAR

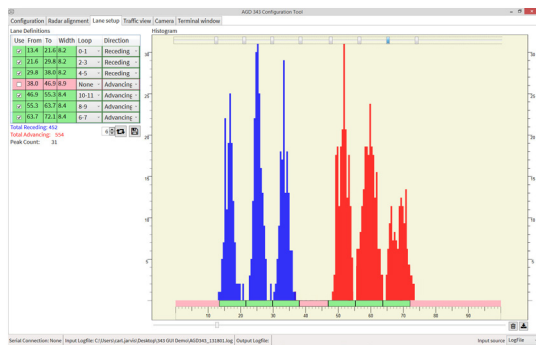
### AGD Align

AN AGD TOUCH-SETUP TOOL

#### 3 Step Setup

Using intuitive hardware and Highways & Enforcement optimised AGD Align camera-based setup tool, the AGD 343 Highways Monitoring Radar is simple to install, setup and configure. The reliable deployment of the radar is split into three easy stages:

- 1. Install** Mount the radar and align using camera-based technology
- 2. Define** Allocate lane positions with data histogram analysis
- 3. Verify** Ensure correct traffic data operation and connection to host system



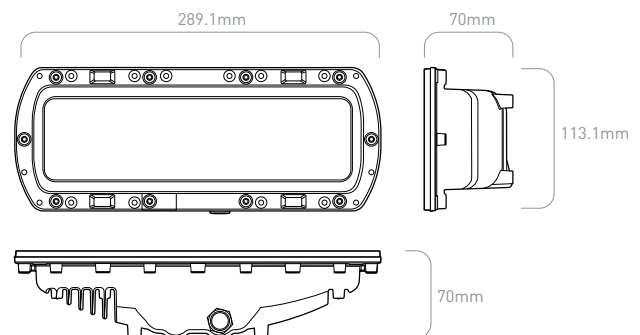
#### Integration

Ease of interface is designed into the 343 radar which provides detailed traffic data for direct integration with many international schemes - AGD ITS Integration Services can assist as required. For UK MIDAS implementations, an off-the-shelf AGD Janus8 ITS Interface Card provides a straight forward radar-to-out-station loop-replacement solution.

#### Product Specification

<b>Description</b>	Highway Monitoring Radar
<b>Technology</b>	24GHz FMCW Radar
<b>Mounting</b>	Pole, portal gantry, MS3, MS4 or other structures
<b>Mounting Height</b>	6 metres nominal
<b>Range</b>	2-100 metres
<b>Speed Range</b>	5-250 kph
<b>Housing Material</b>	Black Polycarbonate / Aluminium
<b>Sealing</b>	IP66
<b>Operating Temp</b>	-20°C to +60°C
<b>Power</b>	6 W @ 24Vdc
<b>Power Supply</b>	24V dc
<b>Dimensions</b>	W 113.1mm x D 70mm x L289.1mm
<b>Radar Output</b>	RS422
<b>Weight</b>	1400g
<b>Approvals</b>	ETSI EN 301 489 / BS EN 50293 ETSI 300.440, FCC CFR47 Part 15.245

#### Dimensions



#### Tested and AGD Certified

All AGD products are Tested, Calibrated and AGD Certified so customers know that all devices will perform exactly as described.

## PRODUCT SOLUTIONS FOR INTELLIGENT TRAFFIC SYSTEMS