SMART VIDEO & SENSING LTD

smartmicro
SMART MICROWAVE SENSORS GMBH

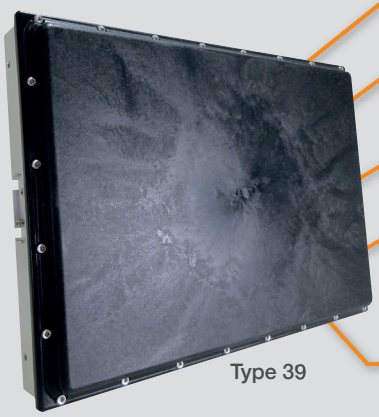
UMRR-0C

HIGH PERFORMANCE TRAFFIC RADAR

This multi-lane 3D object tracking sensor reliably detects and tracks up to 256 stopped and moving vehicles in up to eight lanes. At intersections, it is used for stop bar detection and advance detection. On highways and arterials, it is used for traffic counting and classification, object length measurement, precise speed measurement and wrong way detection.

UMRR-0C is the highest performance traffic radar available today, it provides a wide field of view of up to 100 degree and at the same time a range of up to 320m, or 500m (long range version). The 3DHD capability provides high resolution (good vehicle separation) capability in scenarios where many vehicles are closely spaced, i.e. in many lanes dense traffic, traffic jams, stop-and-go situations. Smartmicro is the only company who has this new 3DHD technology available in production, which outperforms any other traffic radar.

- Ethernet, CAN and RS485 i/f
- On-Board Storage
- Real-Time Clock
- Attitude Sensor
- Compass



Type 39

Stop Bar+
(Stop Bar Detection)

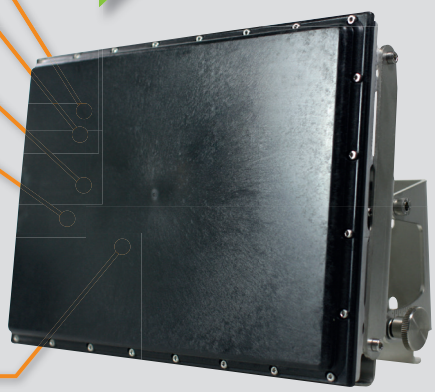
Stop+Advance
(Combined Stop Bar and Advance Detection)

Advance+
(Advance Detection)

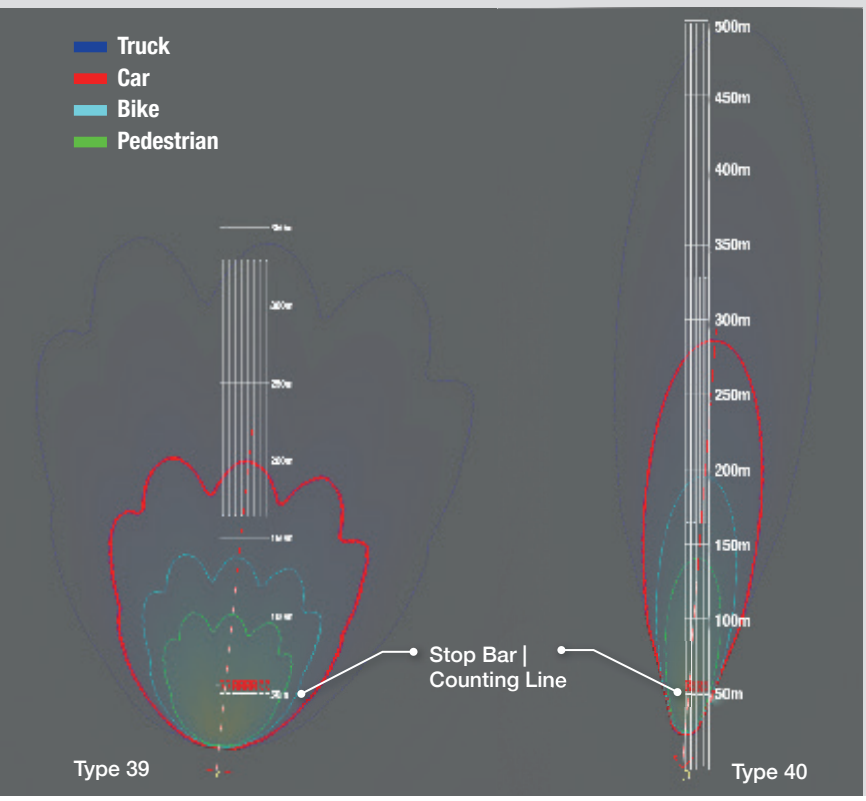
Forward+
(Traffic Counting and Classification incl. Length Measurement)

Up to 100 degree Field of View
Up to 320m Range
3DHD

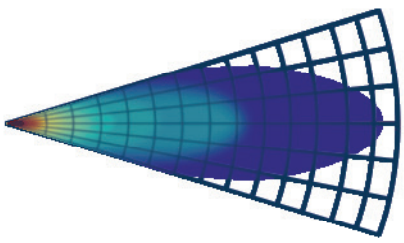
Up to 500m Range
2DHD



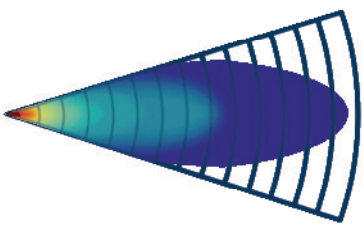
Type 40



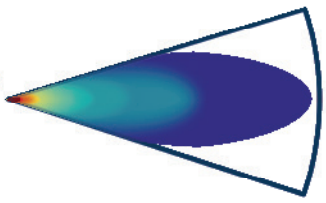
3DHD
- Separation in Speed
- Separation in Range
- Separation in Angle



2DHD
- Separation in Speed
- Separation in Range



STANDARD TECH
- Separation in Speed



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