

## Technical specifications sheet – Radar speed sign Evolis solution

SPEED DISPLAY	
<b>SPEED DIGITS</b>	Height: 33cm
<b>“YOUR SPEED” legend</b>	Height: 3cm
<b>LEDs</b>	Ultra-bright - 3-row thick LEDs - 2 colors: Green and Red.
<b>LED ANGLE</b>	30° cone angle, auto-dimming
<b>VISIBILITY</b>	From 50m to 250m
<b>POWER CONSUMPTION</b>	Ultra-low power consumption - average <5W
<b>FLASH RATE</b>	Default setting: 54 cycles/minute - configurable
TEXT DISPLAY	
<b>LEDs</b>	Ultra-bright - Amber
<b>MESSAGES</b>	Pre-programmed or entirely personalized
<b>SIZE-FONT / GRAPHICS</b>	Choice of size and font, 1 or 2 lines of text
DETECTION	
<b>DOPPLER RADAR</b>	Bidirectional, K-Band, 24.125 GHz (FCC part 15 compliant)
<b>ACCURACY</b>	+/- 1km/h - 99% accuracy
<b>BEAM WIDTH</b>	33° Horizontal – 33° Vertical
<b>SPEED DETECTION</b>	From 15 to 199km/h
<b>DETECTION RANGE</b>	To 300m (configurable)
CASING	
<b>MATERIAL</b>	Robust - anti-corrosive ABS injection molded resin - Curved polycarbonate front face
<b>SIZE / WEIGHT</b>	Dimensions: 70*70*15cm - Weight: 9KG. (without batteries)
<b>WATERPROOF RATING</b>	NEMA 3R / IP 64
<b>COLOR</b>	UV treated light grey (other colors available)
<b>TEMPERATURE RESISTANCE</b>	-40°C to +60°C (operational in extreme weather conditions)
<b>ELECTRICAL SAFETY FEATURES</b>	Two fuses (internal and external) - internal pressure safety valve
<b>BATTERY ENCLOSURE</b>	Capacity to hold up to 2 batteries - manual dial for factory setting speed thresholds + SP
CONFIGURATION	
<b>EVOCOM Software</b>	Software for radar configuration + FREE updates
<b>COMMUNICATION</b>	USB, Bluetooth, EVOMOBILE Smartphone application Option: 2G / 3G / 4G
<b>THRESHOLDS</b>	Speed (min, limit, max), anti-racing, flashing, color change (if activated)
<b>TIMER MODE (School-zone mode)</b>	Alternative speed threshold: up to 2 settings / 4 time slots per day
<b>STEALTH MODE</b>	Continuous traffic data collection with blank display
TRAFFIC DATA ANALYSIS	
<b>EVOGRAPH Software</b>	Software for traffic data analysis + FREE updates & NO subscription fees ever
<b>SPEED</b>	Average and maximum speed, 85th percentile, distribution per speed group
<b>COUNT</b>	Estimated vehicle count
<b>TYPE</b>	Bi-directional, time-stamped data
<b>MEMORY STORAGE</b>	Up to 1 million vehicles
<b>FORMAT</b>	Charts and graphs in Excel and/or Pdf form, for easy report printing
POWER OPTIONS	
<b>SOLAR-POWERED</b>	Portable - fully autonomous - powered through solar panel and batteries
<b>BATTERY-OPERATED</b>	Portable - fully battery-powered with average 7 day autonomy - includes external charger
<b>AC</b>	Stationary - powered by battery charged through and dependent on city lighting
ACCESSORIES	
<b>MOUNTING KITS</b>	Curved - ABS-injected resin - universal mounting-bar (pole and pole straps not included)
<b>SOLAR PANEL</b>	80 * 68 cm - 80 watt solar panel w/ aluminum bracket mounting kit
<b>BATTERIES</b>	12V/22AH batteries included: AC X 1, Solar-Mobile X 2, Ultra-Mobile X 4

