# MigmaDSFB™ - Migma iRadarSign

## with flashing speed limit sign when overspeeding




## Specification

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|---|---|
| Δ Radar Frequency | 24.125GHz |
| Δ LED Brightness | ≥ 6000 cd (auto-adjusted via photocell) |
| Δ Visible Distance | 300 ft |
| Δ Viewing Angle | ± 60° |
| Δ Accuracy | ± 1 MPH |
| Δ Enclosure | IP65 (waterproof) |
| Δ Material | Powder coated aluminum & PVC |
| Δ Operating Temp | -40°C — +70°C |
| Δ Operating Humidity | 5% — 95% |
| Δ Operating Time | 14 rainy days after fully charged |
| Δ Display Dimension | 14" H, 2 digits |
| Δ Display Color | Green (below limit), Red (over limit) |
| Δ Frame Dimension | 24" H x 24" W x 3.5" D |
| Δ Solar Panel Power | Dual, 50W & 30W |
| Δ Battery Capacity | Dual, 20aH each |
| Δ Data Recording | Can be added upon request |



Over the past 10 years, radar speed feedback sign has proven to be effective in helping reduce driver's speeds in both short and long term. These electronic signs are often powered by solar and are affordable compared to other traffic devices. However, a typical radar speed feedback sign may not provide sufficient eye-catching magic to some drivers who were distracted by various devices such as checking smart phones.

To enhance the visibility of radar signs, Migma Systems has developed an intelligent solar radar speed feedback sign, namely, iRadarSign. It incorporates a flashing speed limit sign with the regular radar speed feedback sign. When the vehicle speed is below the speed limit, radar displays the vehicle speed in color of green or amber. However, when overspeeding, in addition to displaying vehicle speed in color of red , the speed limit sign will rapidly flash for 5 seconds (configurable). Otherwise, the speed limit sign does not flash. This combination of radar display of vehicle speed and flashing speed limit sign can effectively alert vehicle drivers about overspeeding.

Migma iRadarSign utilizes dual solar panels and dual batteries, which are light in weight. Moreover, the entire unit can be mounted on a 2" square post, reducing the cost of expensive round poles. The dual solar panel can also be adjusted independently to make it possible to charge the batteries both in the morning and in the afternoon, which is hard to do for system with a single solar panel. This intelligent radar sign can be installed anywhere, including school zones. Vehicle data recording can also be added based on customer request only.

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