



# VCalm®SM-12

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Fortel Traffic's VCalm®SM is a powerful full-matrix traffic calming sign, leveraging trusted VCalm® components embedded within a MUTCD-compliant retroreflective regulatory sign.

### Brightest Display

VCalm® utilizes high-volume, high-intensity, tightly-clustered LEDs to maintain the highest visibility possible.

### Lowest Power Consumption

VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. Our programming delivers exceptional autonomy for solar/battery installations in a much smaller package size.

### Strongest Construction

VCalm® maintains superior construction and durability with high quality components and no moving parts.

### Unrivaled Versatility

Custom Messaging based on unique road conditions, activities, or events

Multiple independently-scheduled vehicle speed thresholds can trigger any variation of messages and/or auxiliary devices: strobes, flashers, sirens, beacons, wireless alerts, etc.

Instant Critical Messaging allows you to quickly display a high priority message from a remote location (requires IP modem).

### Simplest Programming

SD Card provides practically limitless data storage space (40 years of data per gigabyte) and makes programming and data retrieval simple and affordable. (SDHC compatible)

Modems, coupled with our automated online software, provide remote access to sign programming so changes can be made instantly.

VSpeed™Online is the ultimate management software that gives the ability to program signs, simulate functionality, analyze data, and deploy configuration changes through remote access or SD cards.

### Easy and Accurate Reporting

Traffic Data Acquisition System (TDAS) collects the fastest and slowest speed for each vehicle. The software uses this data to calculate the percentage of slowing vehicles and prove the device's effectiveness.

Accurate raw data collected by VCalm® can be used to construct limitless report formats and parameters for thorough data analysis.

### Construction:

- 11-Gauge (0.090") Continuous Formed Aluminum Enclosure
- 1/4" Shatter-Resistant Polycarbonate Lens
- Nema 3R Weatherproof Rating
- Engineering or Diamond-Grade Retroreflectivity



### Radar:

- K Band (24.159 GHz)
- FCC Compliant (no license required)
- Low Power (<2 Watt)
- ±1MPH Accuracy

Letters: 4" MUTCD (Ch. 2B) "YOUR SPEED"

Numerals: 12"(H)

Resolution: 24px x 18px

Dimensions: 24"(W) x 30"(H)

Enclosure: 24"(W) x 30"(H) x 5.125"(D)

Weight: Less Than 30lb

Regulatory Sign (Face) Color: White

Pole: Existing Pole (Not Provided)

Sign Mount: Articulating (Works on Horizontal, Vertical, or Cantilever Poles)

Power: Solar - VCalm®SP1 (100W)

Battery Type: 100Ah (x2)

Solar Mount: Mounting Bracket - Side of Pole

Modem: Wireless IP Modem - 4G

Wireless Service: VSpeed™Online - 1 Year

### Additional Features:

- Automatic Dimming (Photodiodes)
- GPS Clock
- Strobe Light

Strobe Color: White

Warranty: 1 Year

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