



# VCalm®EMS-8x4

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Fortel Traffic's VCalm®EMS is a powerful extinguishable (blank-out) message sign with two remote-selectable display messages, allowing for single- or dual-phase messages. The VCalm®EMS can be used for emergency or traffic alerts, informative messages, and many other notifications. The VCalm®EMS can be configured with radar speed sensing and triggering options for data collection or traffic calming.

### Brightest Display

VCalm® utilizes high-volume, high-intensity, tightly-clustered LEDs to maintain the highest visibility possible. This proven method of authoritative message presentation demands driver's attention, making it the most effective traffic calming sign on the market.

### Lowest Power Consumption

VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED devices. This provides exceptional autonomy for solar/battery installations.

### Driver Feedback Modes

Trigger messages and speed display using user-definable vehicle speed thresholds.

### Ultimate Traffic Data Acquisition

VCalm® logs and timestamps the first, last, fastest, and slowest speed for each vehicle to support the most thorough analysis on individual and collective driver behavior.

### Removeable Data Storage

Nearly unlimited speed data storage is available on removable SD card.

### Expandable Functionality

Trigger custom messages or alerts from external inputs like pedestrian push buttons, temperature sensors, etc. VCalm®ITS also supports full flashing beacon control.

### Strongest Construction

VCalm® maintains superior construction and durability with high quality components and no moving parts. The design meets the NEMA-3R specifications, and many of the VCalm® signs have withstood severe conditions, including hurricanes, fires, and extreme temperatures. VCalm® has consistently proven to be the longest lasting speed sign in the industry.

### Automated Management

Web-based software automatically downloads vehicle speed data, updates configuration and firmware changes, and generates speed study reports.

### Extinguishable Message Capability

VCalm®EMS signs can switch between single- or dual-phase messages and an extinguished, or darkened, mode.



Dimensions: 96"(W) x 48"(H) x 6"(D)

Characters: 10"(H) using 5x7 cluster array (custom arrangements also available)

Display: Fixed LED array with 1" (26mm) LED clusters (8 LEDs per cluster) and automatic ambient light display dimming

LED: Ultra High-Intensity Amber (592nm) LEDs

3/8" Polycarbonate Lens

Designed to Caltrans Specifications

Weight: 212 lb

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

Existing Pole (No Pole Provided)

Power: VCalm®SP1 Solar Package (100W [1], 100Ah Batteries [2])

Solar Mount: Side of Pole

Wireless IP Modem: 4G Modem

Wireless Data: 3 Years VSpeed™Online

Warranty: 1 Year



Fortel Traffic, Inc.  
5310 E. Hunter Ave.  
Anaheim, CA 92807  
+1 (714) 701-9800  
www.forteltraffic.com