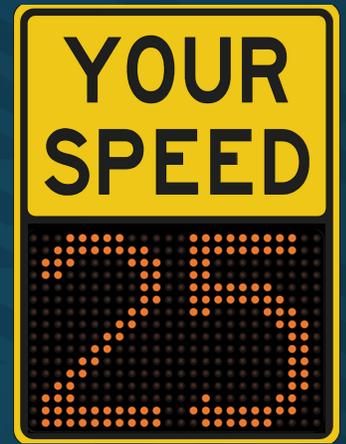


# iQ1500MN

## RADAR SPEED SIGNS



### THE IQ SERIES OF RADAR SPEED SIGNS

The iQ Series is our full-featured Radar Speed Sign that includes a full-matrix display, speed-triggered display modes, and beacon outputs, along with traffic data collection.

The iQ1500 features bright 15" (38.1 cm) characters that can be seen from up to 750 ft (228.6 m) away and help increase driver awareness of their speed on neighborhood streets.

Speed can kill. A pedestrian is 82 percent more likely to be fatally injured if hit by a vehicle traveling 40 MPH (64 KPH) compared to a vehicle traveling 20 MPH (32 KPH). Speeding drivers are almost three times more likely to be involved in fatal or serious-injury crashes. Radar Speed Signs have been proven, in multiple third-party studies\*, to be highly effective at reducing average vehicle speeds and slowing speeding drivers, creating safer roadways and communities.

## FEATURES

### Full Matrix Display

Full matrix displays allow the vehicle speed to be rendered in highway gothic font, presenting information more relatedly to road users.

### Traffic Data Collection

Stores up to nine months of traffic and speed data. TC-Speed Connect™ Data Collection and Reporting Software is included with the sign, providing free local data collection for the life of the sign.

### Stealth Mode

The radar can remain active without the sign displaying any message. Speed data will be collected on the controller. This is great for before and after studies to prove the effectiveness of the sign at slowing speeding drivers.

### 100% MUTCD Compliant

Amber LEDs are used to meet the Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD). Multi-color LEDs and strobes that are non-MUTCD compliant are not utilized.

### Ruggedized Electronics

Built tougher than other systems on the market. Polycarbonate high-impact, non-glare display cover is vandal-resistant. The enclosure is a metal, weather-proof, sealed NEMA 3R-rated enclosure.

### Made in the USA

TrafficCalm Systems are manufactured in the USA in an ISO 9001:2015 certified facility, meeting and exceeding industry and state testing requirements. TrafficCalm signs are unmatched in durability, brightness, accuracy, and ease of installation and use. Build America/Buy America Compliant.

\*Call for speed studies

TRAFFICALM.COM



## SPECIFICATIONS

### DISPLAY

Full matrix electronic Light Emitting Diode (LED) display  
Speed display features 15" (38.1 cm) high electronic numbers. Will display MPH or KPH, Minimum 5 MPH (8 KPH) in 1 MPH/1.6 KPH increments, Maximum 99 MPH/159.3 KPH

Speed triggered on mode, 60fps flashing speed, and display off mode based on user selectable thresholds

LEDs: Amber (590 nanometers) in color, 100,000-hour life, 30° viewing angle, AllnGaP technology arranged in a 0.60" pitch maximizing fidelity

Brightness: 20,000 candela per square meter, Auto dimming based on ambient conditions

Legibility distance: 750 ft (228.6 m)

YOUR SPEED Legend: 6" (15.2 cm) 6E Highway Gothic font

Front face sheeting: ASTM D4956 Type XI compliant, 3M™ Diamond Grade™ high visibility prismatic retroreflective sheeting.

YOUR SPEED Sign Color: 4081 Fluorescent Yellow, 4083 Fluorescent Yellow-Green, 4084 Fluorescent Orange

### RADAR SENSOR

Doppler Radar

K-Band (24.15 GHz), license-free (FCC part 15 compliant)

Max Radar detection range up to 1000 ft. (304 M) depending upon size, speed of approach, configuration

### CONSTRUCTION

Outside dimensions 30" w x 42" h x 3" d (76.2 cm x 106.68 cm x 7.6 cm)

Weight: 40 pounds (18.1 kg)

Aluminum metal enclosure, powder coated green

High impact polycarbonate face

NEMA 3R Rated Cabinet

Includes built-in-bracket for mounting to a post/pole. If "Quick Disconnect" bracket is requested, must also order Pole Bracket (015-03064-000) and Sign Bracket (015-03065-0000).

### COMMUNICATION

RS-232 and Bluetooth Class 1 or 2 adaptors (capabilities: V1.0, V1.2, V2.0, V2.1,+ Enhanced Data Rate, EDR)

### POWER

Solar/Battery kits or AC power supply sold separately

Power requirements: 12VDC, low standby, average day at 8.5 watts, night at 1.5 watts

Voltage requirements: 9VDC-30VDC

### ENVIRONMENTAL

-29.2° F to 165.2° F operating range(-34° C to +74° C)

### WARRANTY

3-year limited warranty, 1-year on batteries

Unlimited tech support from US based factory technicians

## DETAILS

### TC-SPEED CONNECT™ CONFIGURATION AND TRAFFIC DATA COLLECTION SOFTWARE

Local configuration, scheduling and data reports

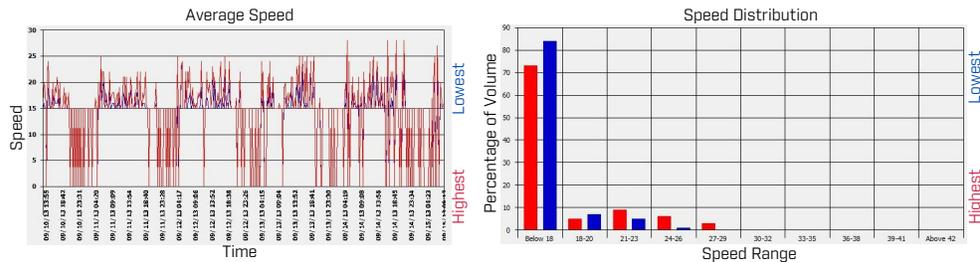
License Free

App for Android and Microsoft Store

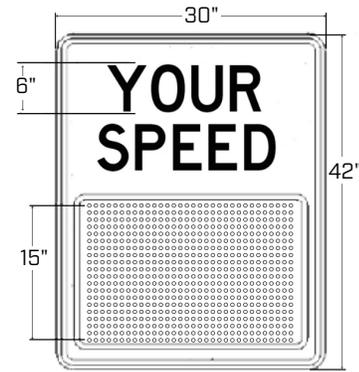
System Health Data: battery voltage, internal temperature, ambient light lux, display function status

Speed Data: date stamp, time stamp, vehicle count, minimum speed, maximum speed, 10 speed bins, average speed, 25th percentile speed, 50th percentile speed, 85th percentile speed

Schedule can be programmed up to 1 year in advance



Quick disconnect bracket shown, Ordered separately



### IQ1500MN Full-Matrix Sign

Part #	Reflective Sheeting Color
M75-15DFB-MN02	Fluorescent Yellow-Green
M75-15DFB-MN03	Fluorescent Orange
M75-15DFB-MN04	Fluorescent Yellow