

# DFB 2.0 8" SERIES

Driver Feedback Sign | Radar Speed Display



THINNER DESIGN | LOWER POWER | FULL MUTCD COMPLIANCE

## Next-Generation Driver Feedback Technology

A next-generation radar speed display engineered for modern roadway standards, reduced power demand, and seamless integration into the TrafficCalm platform.

### WHAT'S NEW

Engineered from the ground up for modern roadway deployments.

- Next-generation low-profile design — thinner and lighter for easier installation and reduced wind loading
- Reduced power consumption compared to previous iQ Series platforms
- Optimized for solar installations to support autonomous roadside operation
- Engineered to standard highway sign formats for consistent MUTCD-based installations
- Retains proven features including Stealth Mode, traffic data collection, and real-time speed feedback

### SMART & CONNECTED

One platform. One workflow. No retraining required.

- TC Speed Connect™ (Web)
- Full programming and configuration using the same interface as the iQ Series — agencies only need one software platform..
- Integrated Traffic Data Collection
- Continuous speed monitoring supports engineering studies, compliance reporting, and long-term analysis.

### COMPLIANCE & STANDARDS

Built for regulatory confidence.

- Fully MUTCD Compliant for Driver Feedback Sign applications
- Designed to standard highway sign dimensions and formats in accordance with MUTCD guidance
- FCC Part 15 Compliant
- Build America, Buy America Compliant
- ISO 9001 Certified Manufacturing
- Informational device — not an enforcement system

### PROVEN SAFETY FEATURES

More than a display. A behavior-change system.

- Stealth Mode – Collects speed data with the display off
- Traffic Data Logging – Supports before-and-after studies and ongoing reporting
- Dynamic Feedback – Real-time driver speed display encourages voluntary compliance
- Static Speed Mode – Displays posted speed when required



# DFB 2.0 8" SERIES

PN: M75-D2430-000X



## MODELS & SIGN DIMENSIONS

- W13-20 — Vehicle Speed Feedback (Full-Size)

Model Numbers:

- M75-D2430-0002: Fluorescent Yellow-Green
- M75-D2430-0004: Yellow

## POWER REQUIREMENTS

Operating Voltage

- 12VDC continuous power required

Power System Types

- Solar-powered systems (panel + battery + charge control)
- Externally AC powered systems (AC-DC converter)
- Solar/AC Sold separately\*

## OPERATING MODES & ESTIMATED DAILY ENERGY USE

Mode Definitions

- Standby: display off, radar off
- Stealth: display off, radar on (data logging)
- Radar w/ Feedback: displays driver speed, radar on (data logging)

8" Series Power Consumption (Estimated Daily Usage)

Model	Standby (OFF)	Stealth	Radar w/ Feedback (Equinox)	Radar w/ Feedback (Winter Solstice)
M75-D3036-000X	8.1 WH	27.1 WH	81 WH	69.8 WH

Equinox: Based on 12-hr daylight, 50% traffic load

Winter Solstice: Based on 8-hr daylight, 50% traffic load

## Radar Sensor

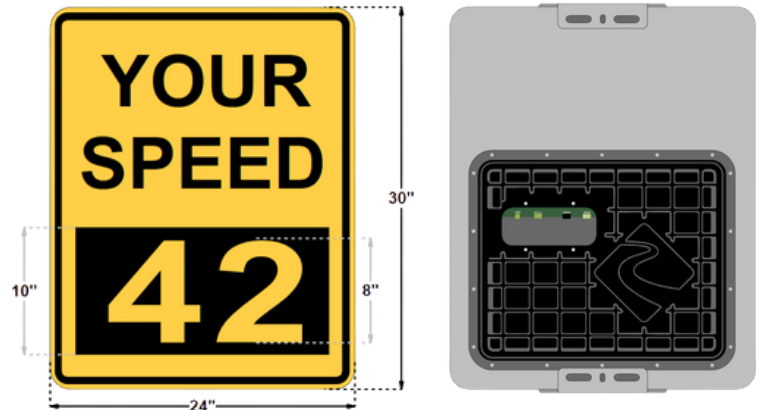
- Doppler Radar
- K-Band (24.15 GHz) License-free (FCC part 15 compliant)
- Max radar detection range up to 1000 ft. (304M) depending upon vehicle size, speed of approach, and configuration

## Construction

- Sign: Aluminum 5052-H32 0.125" - Not painted
- Enclosure : 1/8" ABS - Black
- 8" character height | 30 in sign height | 24 in sign width
- Front face sheeting: 3M™ Diamond Grade™ high visibility prismatic retroreflective sheeting
- NEMA 3R

## Display

- Full Matrix Electronic Light Emitting Diode (LED) Display
- Speed display features 8" high electronic numbers. Will display MPH or KPH, Minimum 1 MPH (1.6 KPH) in 1 MPH/1.6 KPH increments, Maximum 99 MPH/159.3 KPH
- LEDs: Amber in color, 100,000-hour life, 30° viewing angle, AllnGaP technology
- YOUR SPEED Legend: FHWA "Highway Gothic 4.00" E



## Environmental

- -29° F to 165° F operating range (-34° C to +74° C)

## MOUNTING & MECHANICAL

Standard Mounting Hardware (Included with sign hardware set)

- Aluminum mounting bracket built into sign
- Flared Leg Brackets (Qty: 2)
- SS Bolts, Nuts, Washers, and Lock Washers for 2.5-3.5" PSST

Mounting hardware for poles such as U-bolts and/or banding is not provided. Follow local agency requirements for securing.

## SOFTWARE & CONNECTIVITY

- RS-232 and Bluetooth Class 1 or 2 adaptors (capabilities; V1.0, V1.2, V2.0, V2.1, + Enhanced Data Rate, EDR)
- TC Speed Connect™ (Web): Full system programming and configuration using the same interface as iQ Series platforms
- 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
- License Free, Local configuration, scheduling and data reports

## Optional Components

- External flashing devices
- Supplemental mounting hardware
- External radar speed detection module (M75-SA300-RDR0)

## Warranty

- Warranty: 3-year limited (battery: 1-year)
- Support: Unlimited U.S.-based factory technical support

