

# DHI-ITACS-024SA-JB

## Radar Speed Sign



- Speed measurement range: 5km/h–199km/h
- Speed measurement distance: 20m–100m (65.62ft–328.08ft)
- Lane coverage: 4 lanes at most
- Display mode: Two-color LED display. Red numbers for overspeed, and green numbers for normal speed. Up to 3 digits can be displayed, and the largest number can be displayed is 199
- Power consumption: Radar: <5W; LED display: <40W

### System Overview

The radar speed sign is a traffic calming device that integrates long-range speed measurement radar and LED display. It monitors the speed of passing vehicles and displays the speed on the LED display to make drivers aware when they are driving at speeds above the posted limits. Radar speed signs are widely used in school zones, entrance and exit of residential areas, construction zones, highways, and other busy roads to slow vehicles down and enhance driving safety.

### Functions

#### Long-distance monitoring

Monitors vehicles away from 20m–100m (65.62ft–328.08ft), and displays the vehicle speed in real-time, making drivers aware of their speeding.

#### Two-color LED display

Red numbers for overspeed, and green numbers for normal speed. Up to 3 digits can be displayed and the largest number can be displayed is 199.

#### Multiple lane coverage

Covers up to 4 lanes.

#### All-weather working

Works normally in harsh environments such as thunderstorm, fog, and more.

### Ultra-high precision

Advanced radar technology allows large speed measurement range and small error.

### Low power consumption

Radar: <5W; LED display: < 40W. Solar power can also work as the power source.

## Technical Specification

### Basic

Speed Measurement Range	5km/h–199km/h
Speed Measurement Distance	20m–100m (65.62ft–328.08ft)
Lane Coverage	4 lanes
Speed Measurement Accuracy	–4km/h to 0km/h
Transmission Frequency	24.15±0.045GHz
Response Time	≤ 33ms
Transmission Power	20dBm
Antenna Beamwidth	Horizontal: ±8.5° (–3dB); vertical: ±2.8° (–3dB)
LED Display Drive Mode	Serial
Display Mode	Two-color LED display: Red numbers for overspeed and green numbers for normal speed. Up to 3 digits can be displayed, and the largest number can be displayed is 199.

### Button

Pushbutton	2 buttons for setting speed limit value
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### Port

RS-232	1 (reserved for outputting vehicle speed information)
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### General

Power Supply	Entire device: 220V AC/0.2A Radar: 12V DC LED display: 12V DC
Power Consumption	Radar: <5W LED display: <40W
Operating Temperature	–40°C to +65°C (–40°F to +149°F)
Operating Humidity	10%–90% (no condensation)
Dimensions	LED display: 734mm×570mm×106.5mm (28.9"×22.4"×4.2") (L×W×H) Speed sign: 1620mm×955mm×15mm (63.8"×37.6"×0.6") (L×W×H)
Net Weight	25.0kg (55.1lb)
Gross weight	26.0kg (57.3lb)
Installation	Side-mounted on pole (using hoops). Mounting height: 1.5m–3m (4.9ft–9.8ft)

## Ordering Information

Type	Model	Description
LED display	DHI-ITACS-024SA-JB	LED radar speed display
Speed sign	DHI-ITACS-024SA-JA10	Radar speed sign
	DHI-ITACS-024SA-JA20	
	DHI-ITACS-024SA-JA30	
	DHI-ITACS-024SA-JA40	
	DHI-ITACS-024SA-JA50	
	DHI-ITACS-024SA-JA60	
	DHI-ITACS-024SA-JA70	
	DHI-ITACS-024SA-JA80	
	DHI-ITACS-024SA-JA90	
	DHI-ITACS-024SA-JA100	
	DHI-ITACS-024SA-JA110	
	DHI-ITACS-024SA-JA120	

## Dimensions (mm[inch])

