



SafetyDave

Fire safety, first aid & rear vision systems

AI Camera – Manual 1080P Intelligent Pedestrian & Vehicle Detection Camera

1. Purpose & Use

This AI camera is a driver-assistance device that detects pedestrians and vehicles within defined zones and provides audible/visual warnings. It does not replace driver judgment and must be used as a safety aid only.

2. Key Features

Pedestrian and vehicle detection with graded alarm (green → yellow → red)

1080P AHD video output

External Wi-Fi for setup and calibration

IP69K waterproof, vehicle-grade durability

Trigger wires for optional external alarm

3. Safety & Handling

Operating voltage: DC 10–32 V

Operating temperature: –20 °C to +70 °C

Do not open the housing; no user-serviceable parts inside

Avoid impact, dropping, or abrasive cleaning

Keep lens area unobstructed at all times

After re-adjusting camera angle, recalibration is required

4. Installation Guidelines

Recommended mounting height: 0.8–3.5 m

Mount to cover vehicle blind spots

Adjust camera while viewing the monitor from the driver's seat

Secure camera firmly and lock angle using the hex wrench

5. System Connections (Summary)

Video/Power: Via monitor or vehicle power

USB: Wi-Fi module (setup) or USB drive (firmware upgrade)

Trigger Output: High level output when detection occurs

6. Basic Configuration

Configuration is done via the built-in web interface using Wi-Fi.

Detection modes: Person / Vehicle / Person & Vehicle

Sensitivity adjustment

Alarm interval control per zone (red/yellow/green)

Alarm output enable/disable per zone

Changes take effect after pressing Confirm in the App.

7. Maintenance

Clean with a soft, slightly damp cloth

Use mild detergent only

Do not use solvents or thinners

Version 1.0

Important Reminder

This system assists awareness only. Always rely on safe driving practices and visual checks.



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