



E-RRFB Enhanced Rectangular Rapid Flashing Beacons

The Rectangular Rapid Flashing Beacon RRFB is a traffic control device designed to increase driver awareness of pedestrians crossing roadways at marked midblock crossings or uncontrolled intersections. When a pedestrian pushes the button, the beacons begin to flash, alerting drivers and enhancing safety at the crosswalk.

The Problem: Most pedestrians avoid pressing the pushbutton at crosswalks, which causes the beacons to fail in alerting drivers.

The Solution: The Enhanced Rectangular Rapid Flashing Beacon(E-RRFB), powered by ConnVAS MAGIC's multi-detector technology, transforms any crosswalk into a safer, smarter environment. Leveraging AI-driven detection, the E-RRFB offers cutting-edge features to protect both pedestrians and drivers

Key Features of the E-RRFB

- ❖ **Autonomous Operation:** activating 100% of relevant events in real-time. No need for users to push a button.
- ❖ **Simultaneous Alerts:** Provides real-time visual alerts for both pedestrians and drivers + Vocal alerts to pedestrians.
- ❖ **Optimizes alert duration**, adjusting beacon blinking time to match crossing duration.
- ❖ **Dynamic Illumination: Adjusts** illumination intensity based on user location for enhanced visibility.
- ❖ **Video Monitoring:** Optional video recordings for analysis.
- ❖ **Cyclist-Friendly Design:** a safety solution for cyclists crossing at pedestrian crossings.
- ❖ **V2X Connectivity:** Support Vehicle-to-Everything (V2X) connectivity.
- ❖ **Comprehensive data collection**, including near-miss incidents, traffic violation and traffic counts

E-RRFB Technical Advantages:

- ✓ **Power Versatility:** Operates on solar or AC power.
- ✓ **Effortless Installation:** Quick and easy setup.
- ✓ **Universal Compatibility:** Seamlessly interfaces with standard RRFBs.

