TrafiCam C-WALK

PEDESTRIAN PRESENCE SENSOR

C-Walk is an above-ground sensor for pedestrian detection.

C-Walk is an integrated camera and detector for **pedestrian presence detection** at signalized intersections and mid-block crossings.

C-Walk is a **cost-effective and reliable** solution that combines the benefits of video detection with state-of-the-art CMOS sensor technology.

The main goal of C-Walk is to **improve pedestrian protection** as the pedestrian crosses the street (e.g. at zebra crossing near schools). By detecting crossing pedestrians and, at the same time, by managing and controlling traffic lights more dynamically, this intelligent sensor also **reduces unnecessary delays to motorists**.

This **above-ground sensor** avoids expensive installation and maintenance costs. Via a user-friendly configuration tool, setup can be done quickly. No specialist knowledge is required.
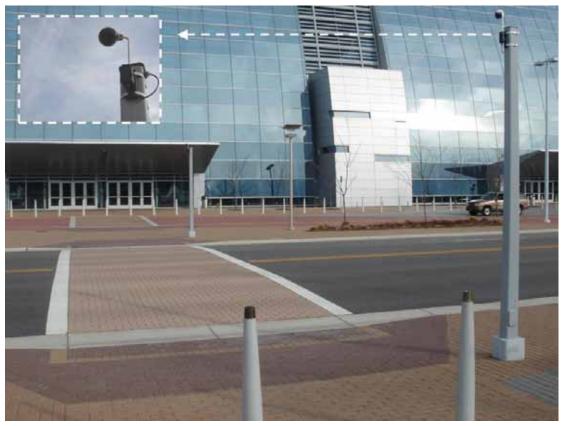
C-Walk is based on **field-proven** video detection technology and is part of the **Traficon** product range. Traficon is worldwide recognized as the market leader in traffic video detection.

KEY FUNCTIONALITIES

- » DETECTION OF WALKING PEDESTRIANS (OUTPUT GENERATION)
- » PEDESTRIAN DETECTION AT INTERSECTIONS AND MID-BLOCK CROSSINGS

KEY BENEFITS

- » ALL-IN-ONE SENSOR (CAMERA + DETECTOR)
- » ABOVE-GROUND SENSOR
- » ACCURATE ZONE POSITIONING
- » DIRECTIONAL DETECTION ZONES
- » MPEG-4 STREAMING VIDEO
- » IP-ADDRESSABILITY
- » RELIABLE DETECTION 24/7
- » COST-EFFECTIVE SOLUTION
- » FIELD PROVEN PEDESTRIAN DETECTION ALGORITHM

At zebra crossings, C-Walk can increase safety and efficiency for both pedestrians and motorists.

PEDESTRIANS CROSSING THE STREET

C-Walk detects pedestrians who are crossing the street. As soon as a pedestrian enters a predefined detection zone ("virtual loop") in a predefined direction, a detection output is provided to the traffic light controller, enabling the software **to lengthen the green time for the pedestrian** and delay the green time for vehicles.

With C-Walk green light extension when slower pedestrians are crossing the street is made possible.

FAST & EASY SYSTEM SETUP

C-Walk is easy to install. It can simply be mounted on existing infrastructure. Also, a flexible bracket allows horizontal and vertical mounting.

Configuration of the sensor is done via portable PC with pre-installed **user-friendly** software.

Using camera images (JPEG snapshot), virtual pedestrian detection zones can be positioned accurately. Verification and viewing of the detection is possible via **MPEG-4 streaming video**.

The C-Walk PC software allows quick and easy configuration.

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