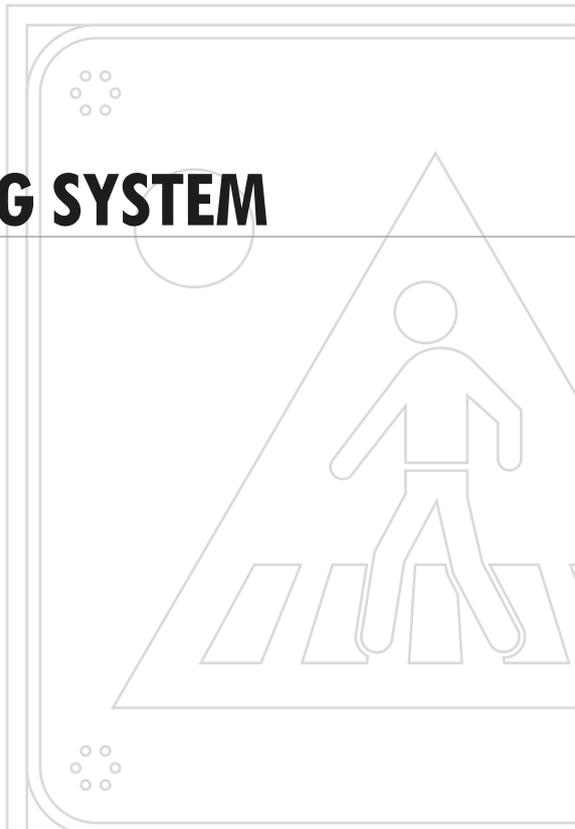


SMART-TICS

THERMAL INTELLIGENT CROSSING SYSTEM
YOUR SAFETY EYES



SR-TICS



THERMAL INTELLIGENT CROSSING SYSTEM

The Thermal Intelligent Crossing System is a thermal technology based system that detects pedestrians at crosswalks by real time image processing, managing automatically the activation of a set of warnings through vertical signs and road studs to alert drivers in a safe and effective way.

The SR-TICS have a thermal camera that don't see sun glare responding only to the heat signature, detecting and giving you 24-hour detection of vehicles regardless of the amount of light available, reducing the risks of accidents in crosswalks.

KEY FEATURES

- Sensor + camera in the same housing
- Accurate and editable zone positioning
- IP-addressability
- Reliable operation 24/7
- Effective detection algorithm
- Easy installation - above ground sensor
- Cost-effective solution
- Powered by solar or electric energy

THERMAL CAMERA KEY FEATURES

- 24-hour detection, at night and in the most difficult weather conditions
- Detection over long range and across different lanes
- No need for additional lighting
- Long-range night view - heat signatures of vehicles can be seen clearly from miles away
- Isn't blinded by direct sunlight and only respond to the heat signatures that detect
- Is immune to headlight glare
- See through shadows (thermal sensors see heat, not light) giving a much more reliable detection solution

TYPICAL INSTALLATION

Road Studs

Road studs in pavement (SR-45 suggested) - several colors available

Vertical Signs

Crosswalk LED signs

Motion sensors

Thermal camera

- Resolution: 160X120
- Frame rate: 9 FPS
- Sensor tpe: Long-Wave Infrared (LWIR 8-14µm)
- Video streaming: RTSP
- Video Compression: H.264, MPEG-4
- Detection Distance: 0-15m (depending on installation height)

