



# iCross



## Smart City Kerbside Pedestrian Detector

# TST iCross

## Pedestrian Detector

### Product Description

The iCross Kerbside Pedestrian Detector is the 'next-generation' optical pedestrian detector that makes crossings safer by delivering robust detection within larger 10m x 3m zones. Advanced optics deliver enhanced 'detect & reject', while the iCross IP capability means real-time video and detection and cancelled-demands data can be fed to control rooms where remote zone adjustments may be made. Multiple units integrate to cover 'super-crossings'. The iCross uses WiFi touch-setup for simple configuration of multiple units, saving time and exposure to traffic risk.



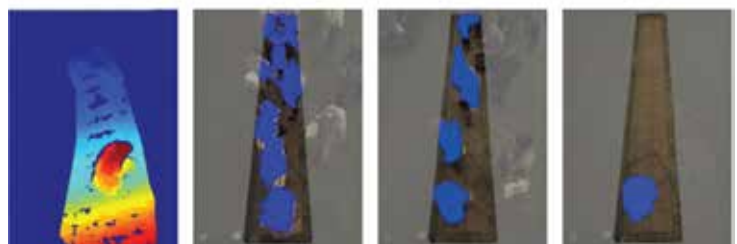
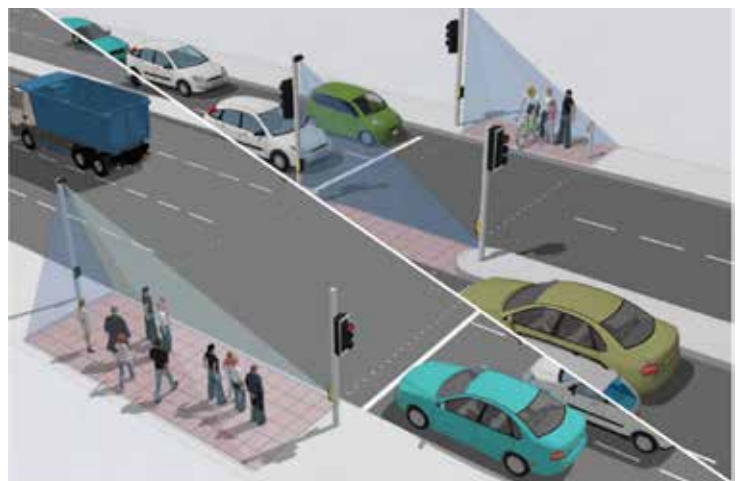
iCross is a high-performance product that processes information on board with new chip-set and sophisticated algorithms for automated decision-making to provide ultra-reliable detection.

The iCross employs 3D HD stereo-optics to detect stationary and moving targets over a large 10m x 3m zone and provides Volumetric Data in the form of percentage occupancy. It has an outstanding capability to detect people while rejecting shadows, litter and leaves and small objects such as birds walking through the zone.

The platform covers the needs of 'Smart City' systems with: IP, POE, Volumetrics and real-time video capabilities which allow the iCross to feed data and pictures 'down the wire' straight into ITS control rooms - empowering truly informed dynamic decision-making.

### Features

- 10m x 3m zone - save on infrastructure costs
- AGD 3D HD stereo-vision - down to min 15 lux
- Volumetrics – dynamic data for high efficiency
- WiFi AGD Touch-setup - speeds installation & reduces risk
- Quick-mask tool - easy zone selection
- IP & Real-time video - instant information for improved safety

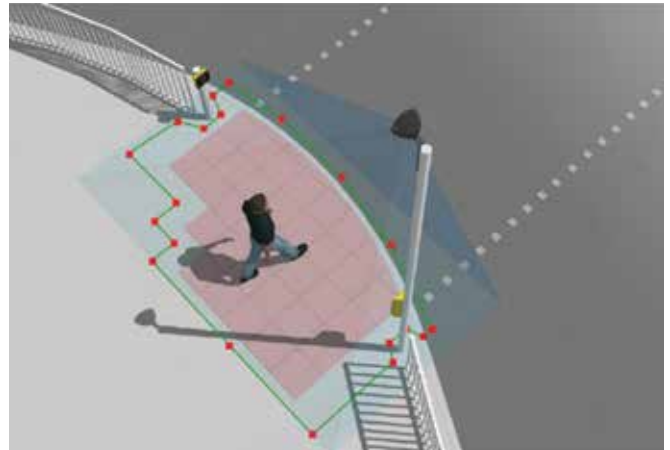


## WiFi iCross Touch-Setup with Quick- mask 'zone' Tool

The iCross is quick to setup using any WiFi device - smart-phone, tablet or laptop - with its unique & secure iCross Touch-setup that allows installers to configure the device in three simple steps:

1. Name device
2. Select zone & Volumetrics
3. Click to calibrate

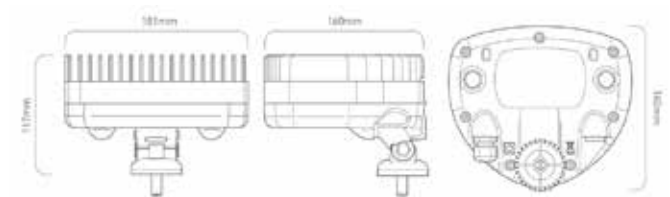
Multiple iCross detectors may be setup at the same time from a safe position on the ground, or in a vehicle up to 100m away. Conveniently, the iCross can be adjusted for zone changes just as quickly in the same way.



## Product Specification

Description	Optical pedestrian kerbside detector
Technology	iCross 3D HD Optical Stereo Vision
Detection Zone	10m x 3m (Polygonal Mask Set-up)
Mounting Height	3-6m Nominal
Power Supply	24V AC/DC
Power	8.0W @ 24V AC/DC (330mA)
Detect Output	Single Opto / IP Ready
LED Indication	Front LEDs for detect and WiFi connection
Real-time Video	Yes
Housing Material	Black Polycarbonate /Aluminium
IP Rating	IP65
Operating Temp	-20°C to +60°C
Configuration	WiFi iCross Touch-Setup
Lux Level	Below 15 lux an infrared illuminator such as a Raytec VAR-12-1 is recommended
Dimensions	W 181mm x D 160mm x H 117mm
Weight	1400g
Complies with	BS EN 50293, BS EN62368, Type Approval Ref: AGD AP601113
Patent No.	GB 2448617

## Dimensions





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