



J5 PEDESTRIAN & STOP-LINE DETECTOR

Product Features

All Motus J5 products utilise a full stereo vision system with market leading shadow rejection. Using specially developed software algorithms each product type has built-in capability to reject background clutter minimising false detections. Multiple detection zones supported, that do not have to overlap.

The Motus J5 Kerbside model approved to TR2507A, detects pedestrians within the detection zone. The use of the stereo vision system ensures calls are cancelled effectively should the pedestrian move out of the detection zone.

The Motus J5 On-Crossing model approved to TR2506A, detects pedestrians within the detection zone whilst on the crossing. Detection can be either Bi-directional or uni-directional.

The Motus J5 Vehicle Stop-line model approved to TR2505A appendix E, detects the presence of stationary vehicles in a specified zone. The sensor detects the presence of vehicles for up to three lanes of traffic in the chosen direction.

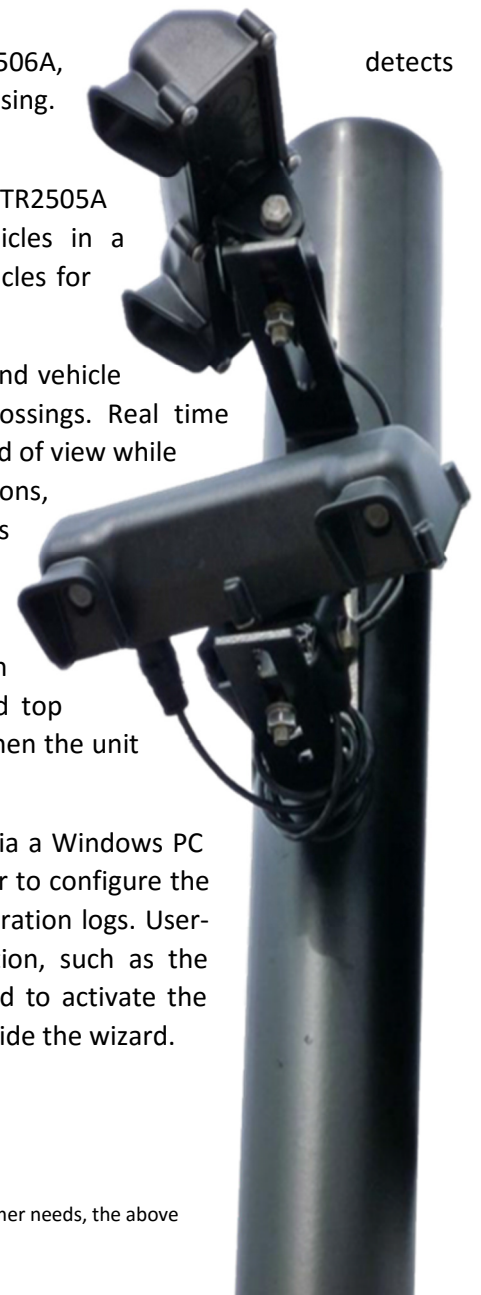
The Motus J5 uses stereo vision to detect pedestrians and vehicle traffic in and around intersections and pedestrian crossings. Real time stereo vision allows J5 to detect objects in the sensor field of view while ignoring confusing artefacts, such as shadows, reflections, water, snow or debris on the ground. Motus J5 has unparalleled detection accuracy and minimal false alarm rates.

The Motus J5 design allows for easy installation on existing intersection poles; typically on the signal head top bracket or on a C bracket. Ideal operation is achieved when the unit is installed at least 4 meters above the ground.

The simple configuration wizard, programs the sensor via a Windows PC running Windows XP or later. The Wizard allows the user to configure the J5, update firmware, and view detection status and operation logs. User-friendly menus define site specific detection information, such as the detection zone and the direction of movement required to activate the output. An extensive web based help tool is available inside the wizard.

Real-time video available through network streaming.

Due to continuous efforts to develop products that are responsive to customer needs, the above specifications are subject to change



Products

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Technical specification

DIMENSIONS

Overall H x W x D: 760 mm x 267 mm x 107 mm

ASSEMBLY OPTIONS

Dual or single relay output.

75 Ohm BNC video output.

3.0mm, 3.6mm or 6.0mm optics (3.0mm UK standard)

12V AC/DC version also available



REGULATORY

Meets the requirements of
TR2505A Appendix E (Static vehicle stop-line
detection)

TR2506A (On-Crossing Detection)

TR2507A (Kerbside Detection)

COMMUNICATIONS

Ethernet with Streaming Real Time Video

RS-485 Half-Duplex 115 Kb/sec

Multi-drop Addressing

POWER REQUIREMENTS

17-30 Volts AC or DC

3.0 Watts Nominal / 4.5 Watts with Heaters On

12V DC/AC only version available

EXTERNAL CONNECTORS

9 pin IP68 Bulgin connector to HA Standard

IP68 Bulgin Ethernet connector

Optional video output BNC

OUTPUTS

Dry Contact Form C

Normally Open and Normally Closed

Contact Rating: 0.5 A at 12 VAC/1 A at 24 VDC

ENVIRONMENTAL

Temperature range -40°C to $+60^{\circ}\text{C}$ Relative
humidity < 95%

WARRANTY

5 year return to base warranty

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