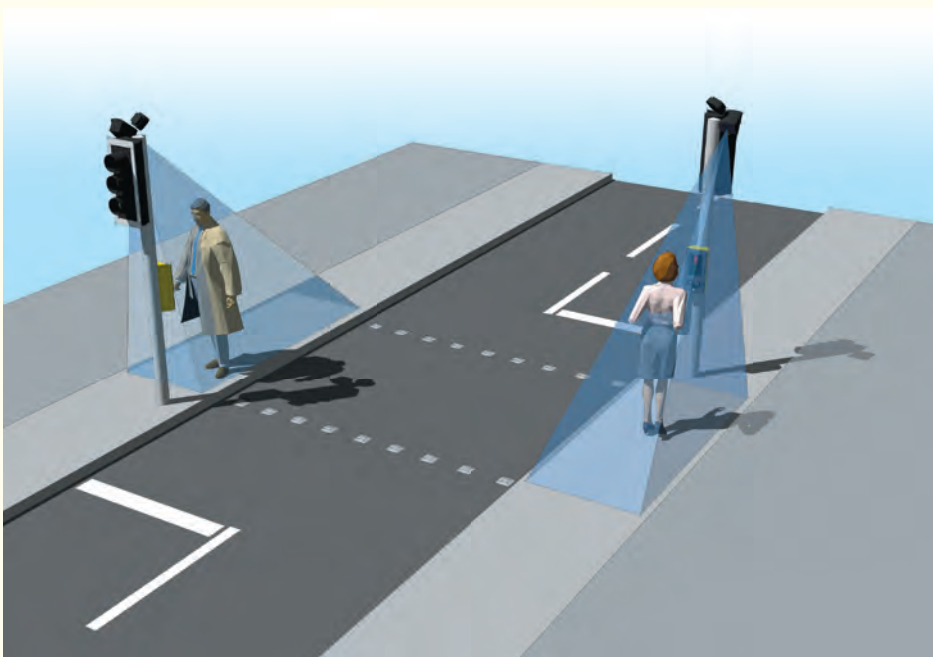


This product has been designed for the detection and monitoring of pedestrians waiting to cross the road to ensure the crossing phase is only called when pedestrians are present. It is a short range device which monitors a definable zone. The 640 stereo digital vision detector operates in the visible and near infra-red spectrum. The detector is able to detect pedestrians by virtue of its contrast with the background and its associated context.

- Pedestrian wait area detection
- Modern compact stand alone detector
- Technically advanced detection platform
- Proven reliability

PEDESTRIAN WAIT AREA DETECTOR



FEATURES

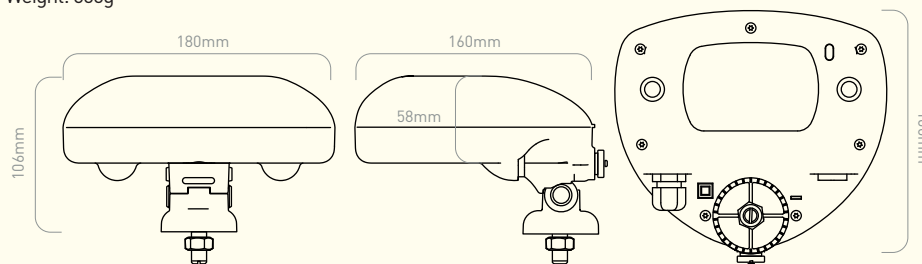
- Advanced stereo vision technology for detection of stationary or moving pedestrians in the wait area
- Dual optical system for shadow rejection in default 3m x 2m zone
- Enhanced or standard operating modes
- Lightweight, compact units for ease of deployment
- Bluetooth and serial interface connectivity as standard
- User adjustable zone and hold/presence time parameters
- Infra-red illumination of zone for enhanced night-time detection
- LED detection and bluetooth indication to front face
- Power supply options of 24Vac, 42Vac or 230Vac

SPECIFICATIONS

| | |
|-------------------------|---|
| Technology | Stereo Digital Vision |
| Detect Output | SPCO Relay (SPDT) |
| Mounting Height | 3-4m nominal |
| Housing Material | Black polycarbonate |
| Sealing | IP65 |
| Operating Temp | -20° C to +60° C |
| Power | 3.0-4.0W @ 24Vac day/night dependent |
| Lux Level | Recommended ambient lighting to minimum of 10 lux |
| Approved to: | BS EN 50293 BS EN 60950 TR2507 |
| Patent No. | GB 2448617 |

DIMENSIONS:

Weight: 600g



640 TESTING PROCESS

| | | |
|-----------------|--|---|
| TEST EQUIPMENT: | PANDORA™ |  |
| PRODUCT TEST: | 640 | |
| TEST FUNCTION: | <ul style="list-style-type: none"> • Stereo image final alignment • Full operational parameters recorded • Test cycle time 10 minutes • Equipment dimensions: 2.5x2.0x1.5m | |
| | | PANDORA was designed and developed by AGD Systems |



Pandora™ and **Atlas™** are bespoke sets of test equipment designed and developed by AGD Systems. They are dedicated to the testing of the 640 digital vision pedestrian wait area detector and 100% of units manufactured at AGD are Certified by Pandora and Atlas.

The key test functions performed by Pandora to Certify the premium performance of your Intelligent Detection System are:

- Stereo image final alignment
- Full operational parameters recorded
- Verification of Bluetooth and serial communication to detector
- Day and night-time simulated operation
- Test cycle time of 9 minutes



PRECISION

PANDORA analyses the 640 camera images allowing extremely accurate final stereo image alignment. Both cameras will then view a concurrent zone area when mounted at the recommended height and declination angle in the field

The key test functions performed by **Atlas** to Certify the premium performance of your Intelligent Detection System are:

- Focussing and alignment of individual cameras
- >15 hour burn-in
- Test cycle time of 12 minutes

Strong emphasis is placed on the individual camera focussing and alignment during the Atlas test process. This is achieved by progressive comparison of the independent images of target information from each camera.

LIFETIME PRODUCT TRACEABILITY



There are clearly defined pass and fail criteria at all stages within the Pandora and Atlas test processes. The test results in association with the product build revision are recorded on a product serial number basis. The full suite of test measurements is instantly sent to the dedicated product database within the AGD secure server facility, providing full traceability during the product lifetime.

The AGD Certified symbol is your mark of assured performance.



Pandora is a sophisticated lightproof chamber measuring 2.5 x 2.0 x 1.5metres. Projection of simulated target zone information on to the inside back-wall is viewed by both cameras of the 640 allowing very precise final stereo image alignment to be performed. Both cameras will then accurately view a concurrent zone area when mounted at the recommended height and declination angle in the field.

Day and night time simulated operation are possible within Pandora and the night time cycle confirms full operation of the detector's IR illumination.

| | | | |
|---|-----------------|---|---|
|  | TEST EQUIPMENT: | ATLAS™ |  |
| | PRODUCT TEST: | 640 | |
| | TEST FUNCTION: | <ul style="list-style-type: none"> • Camera focussing and alignment • Burn in >15hrs • Equipment dimensions: 2.0x0.6x0.6m • Test cycle time 12 minutes | |
| | | ATLAS was designed and developed by AGD Systems | |

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