



# MigmaIntersection™

## *for APS Locator Tone Triggering and Pushbutton Actuation*



**MigmaIntersection™** is an outdoor passive pedestrian detector with interface to APS pushbuttons for automated locator tone triggering and pushbutton actuation. Using this detector, APS locator tone is silent unless pedestrians are within 12 ft from the signal pole. Based on the presence of pedestrians, APS or mechanical pushbuttons can also be automatically actuated.

- △ High resolution IR LED stereo camera for day and night detection
- △ Industrial single board computer (SBC) running Windows XPe
- △ Remote view, configuration and diagnosis over Ethernet (option)
- △ Robust pedestrian detection using stereo vision analysis
- △ Two-zone support for APS pushbutton locator tone triggering and pushbutton actuation

**MigmaIntersection™** utilizes the field-proven technologies for pedestrian detections at street crossings and intersections.

- △ Analytical video cueing and 3D pattern recognition
- △ Pedestrian detection both day and night, even in total darkness
- △ Operational under any weather conditions
- △ Two configurable pedestrian detection zones
- △ Support of APS buttons made by Campbell, Novax and Polara
- △ Simple wiring and connection using CAT5e Ethernet cables
- △ Over 98% detection rate and negligible false calls per day



Camera Connection



Relay Connection



### SPECIFICATIONS

- △ Image Sensor: 1/3" Sony CCD Chip
- △ Camera Resolution: 600 TV lines
- △ Camera Mounting Height: 10 ~ 18 ft
- △ Camera Power: Power over Ethernet (application dependable)
- △ IR Range: 100 ft (~30 m) in total darkness
- △ S/N Ratio: ≥ 48 dB
- △ Cable: CAT5e Ethernet cable
- △ Operating Temperature: -22 °F ~ 158 °F (-30 °C ~ 70 °C)
- △ Operating Humidity: 0% ~ 96%
- △ Operating Environment: All weather, day and night
- △ Chassis Dimension (one crosswalk): 8(L)×6.5(W)×2(H) (inch)
- △ Chassis Dimension (one intersection): 11.5(L)×5(W)×9(H) (inch)
- △ Stereo Camera Dimension: 5(L)×7.5(W)×3.5(H) (inch)
- △ Failsafe and watchdog timer support

**Corporate Headquarters**  
 Migma Systems, Inc.  
 1600 Providence Highway  
 Walpole, Massachusetts 02081

**Contact Information**  
 Web: <http://www.migmapd.com>  
 Sales: [sales@migmapd.com](mailto:sales@migmapd.com)  
 Support: [support@migmapd.com](mailto:support@migmapd.com)  
 Phone: 508-660-0328  
 Fax: 508-660-0288

