



Aldis™



GridSmart™

Solutions for Smart Cities of All Sizes

Evolution of Detection Technology

1st Generation - Loops



2nd Generation - “Tripline” Video



3rd Generation - 3D Full Field-of-View Omni-Directional Tracking



GridSmart Product Family

SOFTWARE

GridSmart

Stop Bar Detection
Advanced Loop Emulation
Digital Flattening w/Pan - Tilt - Zoom

Optional Modules

Traffic Data & Reporting



HARDWARE



GridSmart Processing Unit



GridSmart Camera

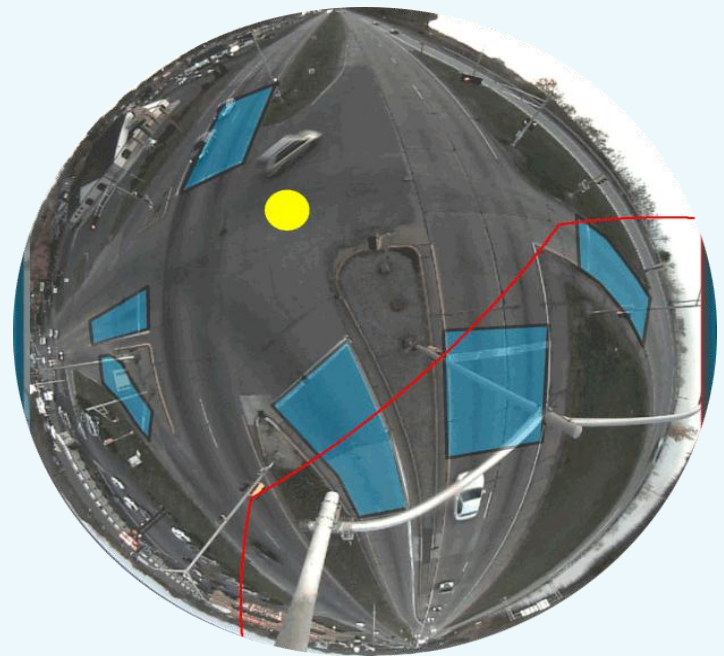
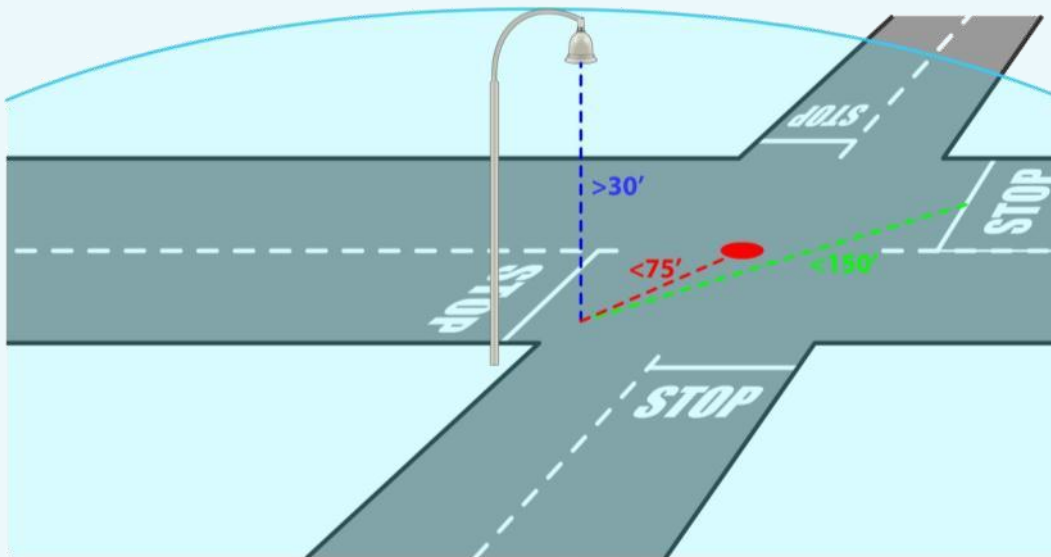
GridSmart Processor

- Network connection
- Inputs for existing detection
- Internal HDD
- USB for external HDD
- USB for local data collection, upgrades
- NEMA standards
- TS1/TS2 ready
- Interface panel for Type 170 and 2070



GridSmart Camera

- Hi Resolution CMOS (IP) Camera with Ultra-Wide-Angle Lens:
 - No Aiming - level to ground
 - Orient to North
 - Always in-focus
 - Single Power-over-Ethernet Connection
 - Automatically adjusts to light and environment



GridSmart 3D Tracking

Edge detection

- Edges are identified and tracked through entire camera field-of-view

3-D Modeling

- Based on how edges track in relation to one another, a 3D vehicle model is assigned

Omni-Directional Tracking

- Points / models are tracked throughout intersection for TRUE turn movements, average speed, and more



How it Works - Software

- User friendly & intuitive interface
- Flattened birds-eye image
- Software Pan-Tilt-Zoom navigation of the intersection
- Point and click zone creation



We make our jobs really difficult, so that our customers' jobs don't have to be.
Jeff Price, Director of Software Engineering

For More Information:


www.aldiscorp.com



www.youtube.com/AldisGridSmart

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