



[www.Intellistreets.com](http://www.Intellistreets.com)

1-248-478-2525 OFFICE or 1-248-884-4850 MOBILE

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## FEATURES AND BENEFITS

All features are cloud based and synchronized

### Intellistreets system (ECM) included in luminaire or Post Top Module - Standard Features

#### Wireless Network - two communications systems PATENTED

Embedded in luminaire or surface mounted Post Top Module

1. Fiber optic Ethernet - no radios
2. Tri- Radio System - load balanced network with internal WIFI
  - + Self Healing Mesh Network 802.15.4 dynamic mesh
  - + Internal high speed, Wi-Fi data transfer system

800 MHz Processor - computes "at edge"

8 Gig On-Board Removable Storage - upgradable

Multi-sensor Integrated Inputs

Individually Addressable with software updates from cloud

Web based control by any Internet connected device

Non-proprietary broadcast frequencies

GPS coordinates on Google Map

Range when connected by fiber /Ethernet (several miles)

#### Receptacle Control

Programmable closure to energize receptacles for holidays/vendors

#### Mobile device charging stations

Outlet in pole with multiple charger connections

#### Lighting Control PATENTED

On/Off Dim/Report w/GPS

Energy usage report

0-10V Dimming

Pulse Width Modulation Dimming

DMX Color Changing) Software on-board

+ Color Controller output

Thermal Sensor Reporting

Thermal Sensor/Auto Dim

Extended LED Life Algorithm "Aggregate Intelligence"

+ Photocells - optical sensors measuring available light

+ Failover to on-board photocell

+ Ambient Light Sensor Settable Auto-Dim Feature

Controls up to FOUR luminaires per pole

Flood light controller

Surge Protection

Works in combination with audio and video

#### Sound/Mass Notification PATENTED

##### Hi-Definition Sound System

Built in sound amplifier

Built in Speaker System

360 degree sound dispersion

Built in Sound Processing

Built in sound file storage

Addressable by unit, by block, by district etc.

##### Secure Dial-up announcements

Play lists for music (drag and drop)

##### Stored emergency messages for instant playback

#### LED Four Color Controlled Indicator Lights PATENTED

Works in combination with audio and video

+ Static/Flash/Sequence

+ Four (4) selectable colors RGBA

360 degree visibility

Multi-function individual flashing

### Available Options

Sensors report to the database and display numerically and in English.

Audio - Video and Lighting actions are selectable or automated

#### LED Banner

High definition output

Play list organized

Connects to all sensors via the cloud-based database to display messages, graphics, or video. Perfect for parking lot advertising, as well as emergency messaging and wayfinding

Holiday Celebrations with stored graphics and calendar on/off

Works in combination with audio messaging

Video/Audio synchronization available

Typical uses:

- + Community Message Board, Announcements
- + Advertising
- + Amber Alert and Emergency Messaging
- + Evacuation Routing, Available Fuel, Available Shelter/Food

#### Color Changing or Dimmable Floodlights PATENTED

+ Color Mixing

+ Color tuning built into software

+ For building, sign, statue and sidewalk illumination

#### Emergency Pushbutton

Press once creates two way hands free call

Integrated with Intellistreets Audio capable of 90 Db.

Integrated with Intellistreets Alert Notification

Integrated with Intellistreets Video Banners/Signs

#### Wi-Fi

Intellistreets offers the only concealed Wi-Fi access point when coupled with a smart pole base

Concealed patented Wi-Fi antenna system - unique PC antenna concealed in a thin strip of polymer. Invisibile as an antenna

#### Available Sensors

\* Pedestrian presence sensors

\* Cameras - 4K 12 MPX Ai

\* Cameras (software) - Streaming video, Pedestrian, Bicycle, Bus, Car Counting, and AI Crowd monitoring. All features are ported to the Cloud database

\* SensorFusions(tm) software triggers A/V+L responses

\* Stop sign infringement notifications (in BETA)

\* Safe Crosswalks (in BETA)

\* License Plate Recognition, Car brand and model ID. Unusual occurrence ID, Truck Vehicle registration number ID.

##### **\* Smart Crosswalk**

\* Street water detection and River Level sensors with level reporting and heat maps

\* Air Quality Sensor Pac - California Standards: PM1, PM2.5, PM10 with over 100 additional data points recorded, logged, displayed and retrievable from the User Interface

\* Weather Station - measures precipitation level, rate of precipitation, humidity, wind speed and direction, barometric pressure, and lightning strikes

\* Exposed Weapons Detection (in Beta)