

# CamVIEW

## Stormwater Trash Accumulation Monitoring System

### Component Images



### Wireless (cellular) Data Transmission

- Cat-M1 cellular (2G, 3G, 4G LTE compatible)

### Power & Mounting Options

#### Computer & Power Supply:

- Battery with Solar-Panel Recharge
- Stand-Alone Pole Computer Support Option
- Existing Pole Computer Support Option

#### Camera

- Power Supplied via Computer
- P4 Supplied Bracket Mount

### Exposure Allowance & Compliance

- FCC and RoHS
- Camera, Computer & Battery Enclosure – IP67
- Integral Cellular Antenna in IP67 Enclosure
- Operating Temperatures:
  - Fahrenheit: -30 to 120 deg F
  - Celsius: -34 to 49 deg C

### Specifications & Applications

Image Sampling Rate: 4-Hr interval (std)

#### Applications & Value:

- Trash Accumulation Rate
- Trash Loading Seasonality
- Public Awareness
- Data-Driven Maintenance
- Synchronization with other Digitalization Kits:
  - Rainfall
  - Flow Velocity
  - Water-Level (pressure head differential)

### Features



Nationwide cellular connectivity (Wi-Fi option)

#### Image documentation & coupling:



- Trash loading rate
- Seasonality of trash loading
- Maintenance triggers
- Rainfall event coupling
- Flow velocity & depth coupling



Browser-based dashboard (viewing and data download). Advanced notice of potential problems. Data visualization. Data-driven maintenance notification.



Trash monitoring system to compliment other P4 digitalization kits (synchronized data)

### Maintenance (low to zero)

- Modular Plug-and-Play (sensors, computer, battery, solar panel)
- Remote Health Assessment of Battery via Dashboard
- Visual Inspection of Solar Panel (bi-annual)