CityIQ Parking Planning API

The Parking API uses the camera asset and performs CityIQ Analytics on the node and returns Parking In (PKIN) and Parking Out (PKOUT) events.

Sample Responses are described here in json. Please note, the Parking Predix Zone ID is a necessary header input to access this API.

Parking Planning Version 1.0
**CityIQ Pedestrian Planning API**

The Pedestrian API uses the camera asset and performs CityIQ Analytics on the node to return Pedestrian Events (PEDEV).

Sample Responses are described here in json. Please note, the Pedestrian Prefix Zone ID is a necessary header input to access this API.

- **json responses in blue are obtained using the metadata service url**
- **json responses in green are obtained using the events service url**

### Location-3-1
- **Counter clockwise direction**
- **Trip Wire 1**
- **LAT1:**(LONG1)
- **LAT2:**(LONG2)
- **Node CAM-X-1
- **Node CAM-X-2
- **Node NODE

### Location-3-2
- **Counterclockwise direction**
- **Trip Wire 2**
- **LAT4:**(LONG4)
- **Node NODE

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**locationType WALKWAY**
- **locationId:** LOCATION-3-1
- **locationType:** WALKWAY
- **parentLocationId:** LOCATION-3
- **coordinates:** (LAT1):(LONG1),(LAT2):(LONG2)
- **name:** 1ST-AVE-WALKWAY-SOUTH
- **city:** SPRINGFIELD
- **state:** ILLINOIS
- **country:** USA
- **zipCode:** 62704
- **timezone:** CDT
- **properties:** (CD:"X",
CCD:"Y",
address: null,
analyticCategory: {})

**eventType PEDEV**
- **timeStamp:** 1539090011000
- **properties:** (directionUnit: 'DEGREE',
speedUnit: 'METERS_PER_SEC',
eventId: 'ABCD123',
measures: (counter: 0, direction: 180,
pedestrianCount: 0, speed: 0.6, direction: 180))

**eventType PEDEV**
- **timeStamp:** 1539090011000
- **properties:** (directionUnit: 'DEGREE',
speedUnit: 'METERS_PER_SEC',
eventId: 'CD34',
measures: (counter: 0, direction: 180,
pedestrianCount: 0, speed: 0.6, direction: 180))
CityIQ Traffic Planning API

The Traffic API uses the camera asset and performs CityIQ Analytics on the node to return Traffic Events (TFEV'T) which register vehicles passing the tripwire in blue.

Sample Responses are described here in json. Please note, the Traffic Prediction Zone ID is a necessary header input to access this API.

json responses in blue are obtained using the metadata service url
json responses in green are obtained using the events service url

Location: 12347

LocationType TRAFFIC_LANE

Event Type TFEVT

Traffic Planning Version 1.0
CityIQ Bicycle Planning API

The Bicycle API uses the camera asset and performs CityIQ Analytics on the node to return Bicycle Events (BICYCLE) which register vehicles passing the tripwire in blue.

Sample Responses are described here in json. Please note, the Bicycle Predix Zone ID is a necessary header input to access this API.

Location Types:
- TRAFFIC_LANE
- WALKWAY

Event Type:
- BICYCLE

assetType: NODE

assetType: CAMERA

locationType: TRAFFIC_LANE

locationType: WALKWAY

eventType: BICYCLE

Bicycle Planning Version 1.0
CityIQ Environmental Planning API

The Environmental API uses the sensor assets and reports measurements periodically in the form of Temperature, Humidity, and Pressure events.

Sample Responses are described here in json. Please note, the Environmental Predix Zone ID is a necessary header input to access this API.

Sample Calculation for Temperature:
Temp in Celsius = 2880 K * 10^-1 - 273 = 15°C