

XCam-ng

Citilog

XCam-ng is a non-intrusive above-ground detector that eliminates the constraints imposed by embedded loops. Easy installation and minimal maintenance eliminate lane closures and cutting road surfaces.



Description

XCam-ng is a unique queue detection sensor.

Installed at intersections, XCam-ng provides real-time queue measurement per traffic lane. Processed locally by the traffic controller or by a central system, the queue measurement is the ideal data to optimize the operation of traffic lights, reduce waiting time and at the same time pollution and emissions of greenhouse gases.

XCam-ng is also used for pre-gridlock detection at intersections, especially intersections with tramways or Bus Rapid Transit (BRT). By detecting standing traffic at the center of the intersection, the XCam-ng is the ideal solution to prevent intersection gridlock and public transportation delays.

Installed at ramps, XCam-ng provides real-time queue measurement per traffic lane. This is used to avoid queue spill-back on highways and freeways.

XCam-ng is an above-ground detector that eliminates constraints imposed by embedded loops upon installation and maintenance: lane closure, cutting road surface, etc.

XCam-ng can be connected to any traffic controller using XCom a universal communication board. XCam-ng is IP addressable and can be connected directly to newer generations of traffic controllers and to central systems.

XCam-ng features a WDR (Wide Dynamic Range) CMOS sensor and an image optimisation module to enhance detection performances in any lighting conditions.

With low-power consumption and wireless capabilities (optional), XCam-ng provides unrivaled seamless

installation.

Specifications

Functions

- Vehicle queue detection
- Vehicle queue measurement
- Spatial occupancy
- Vehicle counting
- Pre-gridlock detection

Features

- Wide Dynamic Range (WDR) sensor for enhanced detection performances
- Ethernet communications, IP addressable
- Color video streaming
- XCamMonitoring configuration and monitoring tool
- Fail-safe outputs
- Digital zoom

Benefits

- Above-ground detection
- Intersections using XCam-ng can experience 12 to 15% reduction of waiting time on average
- Digital zoom allows seamless installation on the field

Sensor

- 1/2,7" WXGA (1280×800) WDR color CMOS sensor
- Minimum illumination 0.04 lux @ f/1.2
- Anti-blooming, zero smearing
- Signal to Noise ratio: >50dB

Housing

- IP67 Injection molded polycarbonate housing
- Sun shield for hot climate and direct sun exposure (option)
- Size: 132 x 254 x 124 mm

Accessories

- Supplied with complete mounting brackets and connection box

Hardware

- Power Supply: +12/24V AC/DC
- Power consumption: 3W
- Operating temperature: -34°C / +74°C
- Humidity: 0 to 95% RH, non-condensing
- Weight: 600g

Communications

- Direct output: Ethernet or RS485
- Output to Citilog XCom: Ethernet or RS485

- Citilog SDK: XML
- Other standard protocols DIASER, Modbus...
- Wireless communication module (option)

For more information: 1 800 363-5913

Created on 09.04.2026 at 09:50:36 EDT