

Advanced Intersection Control



XCam-ng

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.

Installed at intersections, XCam-ng provides real-time queue measurement per traffic lane which is the ideal data to optimize the timing operation of traffic lights, reduces waiting times and emissions of greenhouse gases.

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

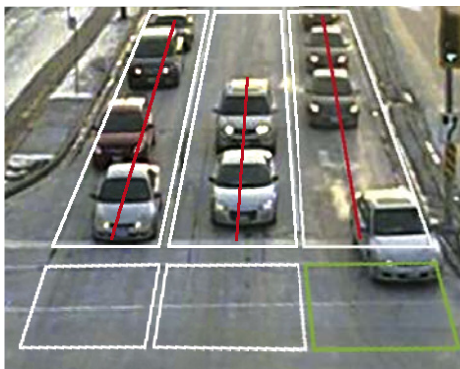
XCam-ng features a WDR (Wide Dynamic Range) CMOS sensor and an image optimization module to enhance detection performances in any lighting conditions.

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 and RS485 communications, IP addressable
- Color video streaming including OSD for detection zone status display



KEY BENEFITS

- Intersections using XCam-ng can experience 12 to 15% reduction of waiting time on average
- High accuracy in all weather and lighting conditions
- Vibration & shock detection



Technical specifications

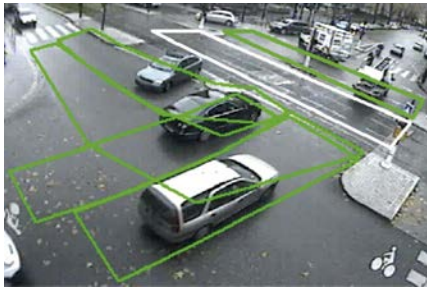
Focal Length:	3.5 mm (other focal lengths upon request)
Digital Zoom:	x1.5 / x3
Sensor Type / Resolution:	CMOS HDR 1/2.7" – COLOR - 1280 x 800 (WXGA)
Power Supply / Consumption:	+12/24V AC/DC – < 3.2W
Communications:	RS-485 / Ethernet
Reliability features:	Shock detection – Vibration detection
Operating Temperature:	-34°C to +75°C (-30°F to +167°F)
Operating Humidity:	0 to 95% RH, non condensing
Storage Conditions:	Dry, indoor storage
Regulatory:	NEMA-TS2 Environmental Part / CE / FCC part 15 Class A
Material / IP Rating:	Injection molded polycarbonate / IP 67
Operation status:	LED
Weight:	1.5kg (3.3 lbs) – with mounting
Dimensions:	132 x 254 x 124 mm (5,2" x 10" x 4,9") - without mounting
Mounting:	Included for horizontal or vertical mounting on masts or poles

The perfect solution
for adaptive
intersection control
and traffic
optimization

A smart sensor for efficient intersection control

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.



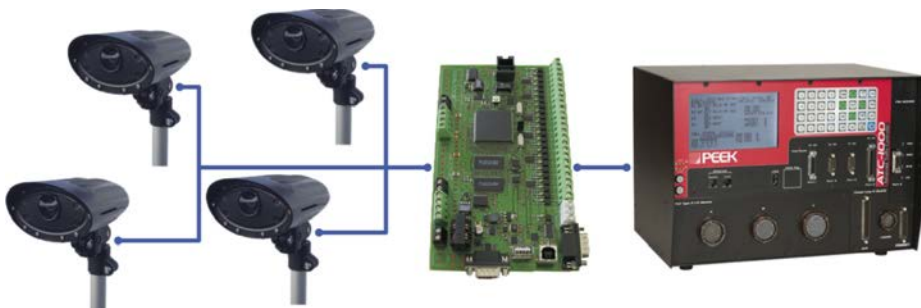
APPLICATIONS

- Inductive loop replacement
- Intersection gridlock detection & prevention
- Ramp metering
- Queue spillback detection & prevention

Communications

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 using Citilog's protocol or custom protocols.

Check
Intersection
Control in action



www.citilog.com