



The evolutive CITIX-AI solution combines artificial intelligence with a high-precision sensor (4K) to count, classify and detect the direction of different means of transport. The data is sent to Eco-Visio, our online data analysis platform.

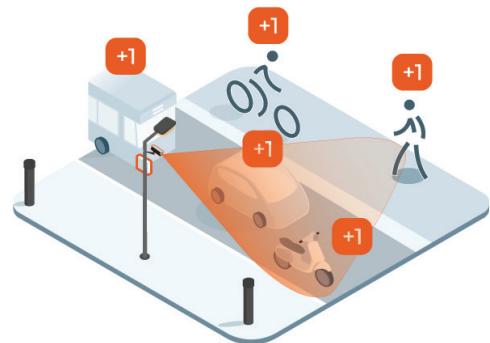
Installed overhead, the CITIX-AI covers passages up to 15 meters (49') wide.

- + Multi-user
- + Artificial intelligence
- + Long range and high accuracy
- + Direction detection
- + Easy installation

Counted users

The CITIX-AI counts and classifies pedestrians, bicycles, mopeds, cars, trucks and buses to obtain reliable and complete traffic trends.

Designed to strict specifications, CITIX-AI is a modern and easy-to-install counter perfect for urban environments with wide lanes.



CITIX-AI can be installed on a high point to allow counting over a large area. It counts, classifies and gives the direction of travel of pedestrians, cyclists, mopeds, cars, trucks and buses. You can find and analyse the data on Eco-Visio.



CITIX-AI is an intelligent, evolutive and easy-to-install counting system. This discreet sensor requires little maintenance and no site visits for maintenance and data collection when automatic transmission is enabled.

All Eco-Counter® products are designed, developed and manufactured in France.

CITIX-AI

General features

Classified users	Pedestrians, bicycles, mopeds, cars, trucks and buses*
Technology	+ Camera with Sony Starvis 4k sensor + Artificial Intelligence Neural Network (AI)
GDPR	GDPR compliant Real-time image processing by the AI algorithm. Only the count data is transmitted
Installation height	4 to 8 m (13' to 26') Optimum : + Pedestrians/Cyclists : 4 m (13') + All users : 6 m (19')
Covered width	Up to 15 m (49') Optimum: 12 m (39')
Direction	Direction detected
Transmission mode	+ Data transmitted through 3G/4G. + Aggregation of data on Eco-Visio by 15 minute increments.
Setting	+ Configuration through an app-based interface + Detection area configured according to the site

*Scooter and e-scooter users are counted and classified as pedestrians.
Utility vans are counted and classified as cars.

Environment

Operating temperature	-30 °C/ 70 °C (-22°F/ +158°F)
IP rating	IP 67
Nighttime counting	Street lighting needed

Physical characteristics

+ Camera

Dimensions	230 mm x 90 mm x 76 mm (9.06" x 3.54" x 2.99")
Weight	1,1 kg (2.43 lbs)
Mounting	The arm of the camera is attached to the pole with hose clamps

+ Modem Box

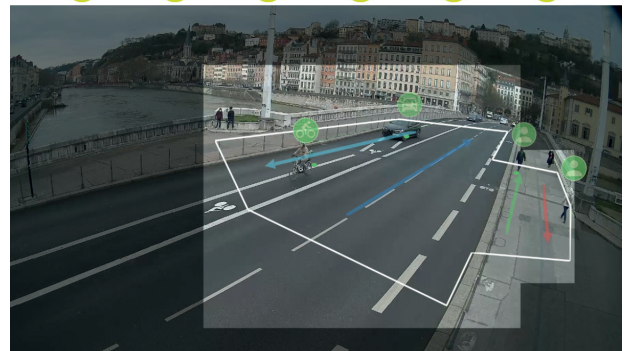
Dimensions	200 mm x 280 mm x 65 mm (7.87" x 11.02" x 2.56")
Weight	1,2 kg (2.65 lbs)
Mounting	The modem box is attached to the pole with hose clamps

Power supply

Power source	+ Box : 110-230 VAC - 12/24 VDC
Consumption	+ ≈ 15 W (max. 20 W)

Connectivity

Cell connection 3G/4G



Example of CITIX-AI system used to count pedestrians, cyclists, mopeds, cars, trucks and buses.

Additional products to support your counting strategy:

PYRO-Box EVO:
Mobile counter
All environnements



MULTI ped. / bicycles:
Permanent counter
Pedestrians and cyclists



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Eco-DISPLAY Compact

The Eco-DISPLAY Compact displays real-time cyclist and pedestrian passages that are registered by the counter. Using the ComEth technology, the system can be connected to any Eco-Counter Sensor*. The several matrixes display on each side: cumulative daily, monthly or yearly counts, scrolling or fixed texts. Both sides are fully customizable.

Preliminary datasheet – Specifications subject to change without notice

- Real time transmission
- Dynamic display
- Connected device: 3G/4G/Ethernet

General characteristics

Installation	Installation on wall or post
Sensor Associated	Compatible with any Eco-Counter sensor*
Connection to the Sensor	Wired connection to the sensor - CAN protocol
Wind Resistance	Zone 5 according to NV65 standard
Frame Color	Graffiti-proof painting [option] - Customizable color
Design	Fully customizable
Settings	Embedded Web server for maintenance and sensor settings on site or remotely (through WIFI or Ethernet communication)

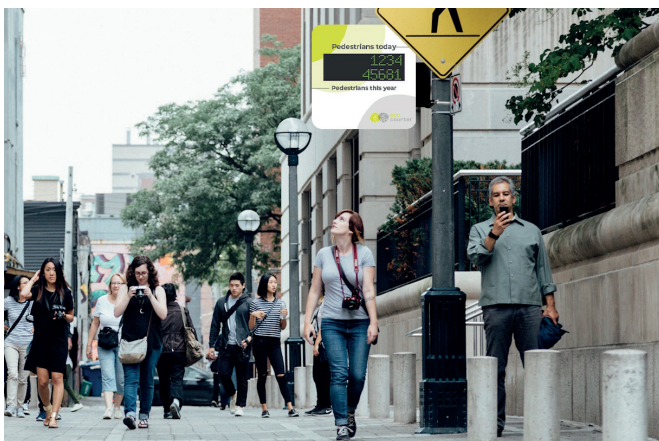
*Except CITIX-IR

Material characteristics

Dimensions	≈ 61.5 x 84.3 x 19.5 cm (24.21" x 33.1" x 7.67")
Weight	≈ 6.6 kg (.5 lbs)
Display Surface	+ RGB LED lights - 16 colors + Pixel pitch: 5 mm (0.2") + Automatic adjustment to ambient light levels + Display surface size: 48 x 16 cm (18.9" x 6.30")
Temperature Resistance	- 30 °C / + 50 °C (-22 °F to 120 °F)
Waterproofness	IP41
Power Supply	Client must provide 230/110 VAC power supply
Power Consumption	Max. 360W (double-sided Eco-DISPLAY Compact) / Average: 80W
Communication	TCP/IP (Cellular 3G/4G or Ethernet 100 Mbp/s), API REST, OPCUA server



Eco-DISPLAY Compact in the street



Eco-DISPLAY Compact on a post



Eco-DISPLAY Compact on a wall

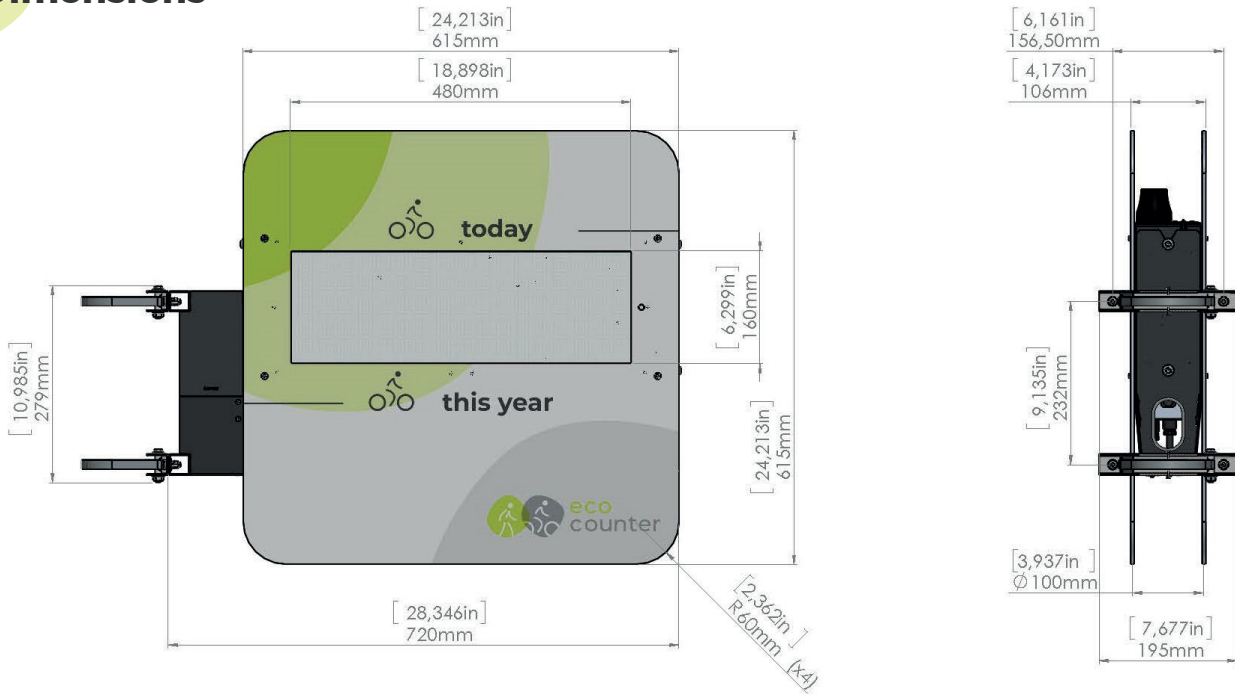
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Eco-DISPLAY Compact

Dimensions



Installation examples



Installation with a ZELT



Installation with a MULTI



Installation with a CITIX-3D

Associated Sensor Range

- + PYRO
- + ZELT
- + SLAB
- + MULTI
- + CITIX-3D