



## OneCam

### Toll evasion

OneCam monitors toll evasion with a single intelligent camera, which features on-board software. It is capable of monitoring vehicle passages by detecting and registering the image of unauthorized vehicles.

### Features

- Identification and registration of toll evasion.
- Registration with photo and, optionally, video.
- Optional: Automatic vehicle plate identification.

### Applications

Recommended for toll plazas.

### Characteristics

- Intelligent camera capable of identifying, capturing and sending records to the server, without the need for external equipment.
- It can be attached to various structures, such as its own post, metal or masonry structures.
- Equipment with aluminum casing, resistant to oxidation, vibrations, adverse weather conditions and small-caliber ballistic projectiles.
- Installation using sensors available at the toll plaza.
- It allows the use of auxiliary camera for both front and rear capture simultaneously.

### Technical specifications

#### Camera

Resolution (pixels):     ▪ 1920 x 1080  
 Color management:     ▪ Monochromatic, polychromatic or day/night

Lighting:                 ▪ Infrared night

Video:                    ▪ Two H264 channels for live monitoring

#### Capture mode

Rear  
 Front (optional)

#### Interfaces

One 100/1000M Ethernet interface  
 Three optically isolated sensor inputs  
 An optically isolated output for night lighting or auxiliary camera

#### Required inputs

- Vehicle passage:       ▪ It indicates the passage of the vehicle through the image capture region.
- Charging status:       ▪ It Indicates whether the vehicle in transit has been properly charged.
- Time stamp (optional): ▪ It indicates the start time of vehicle passage, allowing synchronism between the evasion records and the toll information system.

#### Electrical characteristics

- Supply voltage:         ▪ 24Vdc (without power supply)  
 Average power:        ▪ 9 to 25W  
 Peak power:            ▪ 11 to 35W  
 Energy consumption:   ▪ 8 to 18kWh/month  
 \*Variations according to configuration and vehicle flow.

#### Environmental conditions

- Operating temperature: ▪ -10° C to 55° C  
 Relative humidity:     ▪ Up to 95% (non-condensing)

#### Regulation

- INMETRO registration:   ▪ 002494/2016  
 Denatran ordinance:    ▪ 179/2015  
 INMETRO ordinance:    ▪ 372/2012

