

# Bus Passenger Counter

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## Introduce

**Reamol** advanced bus passenger counter is top level people counter for bus environment in the world. Now bus companies meet serious competition from BRT, Subway, express train, private cars, and Ubers, passenger traffic reduce fast and income decrease quickly. It also leads to many other serious problems without enough profit.

To help bus company far away from ticket loss and passenger loss, our advanced bus passenger counter are designed to improve dispatching efficiency and make smart change according to real passenger transit demands, not by dispatcher experience only.

We devote hundreds of days on its new valuable functions to make a better management and reliable performance except the top accuracy, for example

- General design for any type of buses (no matter short or high, wide or narrow doors)
- Compatible 2.8mm lens can support most of buses, will reduce big cost on stock and shipment
- Max 254 doors counting together in any vehicle, BRT, trains or other long vehicles
- It can count very accurately in peak time and hot stations, even in mini bus and some vans.
- ACC control to clean numbers and door sensor to stop repeat counting during bus is driving.
- New design offer 8GB memory to save over 10 years history record in the device.
- Upload-resume records when network broken
- Support Four-faith, Caimore 3G/4G&GPS router to share GPS data and send out by reliable network
- Smart station identification by GPS automatically, so you can easily know which stop bus is, and how many passenger on board now.
- Powerfully analysis data by stations and times to be real intelligent bus dispatching according to passenger travel demands and reduce great waste on lower occupancy.
- Waterproof IP67 design to prevent fogs in winter.
- $-40^{\circ}\text{C}$ - $70^{\circ}\text{C}$  working temperature for global buses
- 5A fuse protection for unstable bus battery power
- 270degrees bracket with scales for fast bulk placement on any bus fleet

## Main Features

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- Easy 98% Accuracy
- Work for City bus, mini bus, vans
- Fast plug and Play
- Easy group working for many doors
- Support 3G &GPS Router
- Vandal proof Alu-alloy Housing
- 270° bracket, 4types placement
- IP 67 Waterproof & Dustproof
- Working:  $-40^{\circ}\text{C}$ - $70^{\circ}\text{C}$
- 8-32V DC, 1amp, 5amp fuse
- 10 years local data backup
- 2 Years warranty

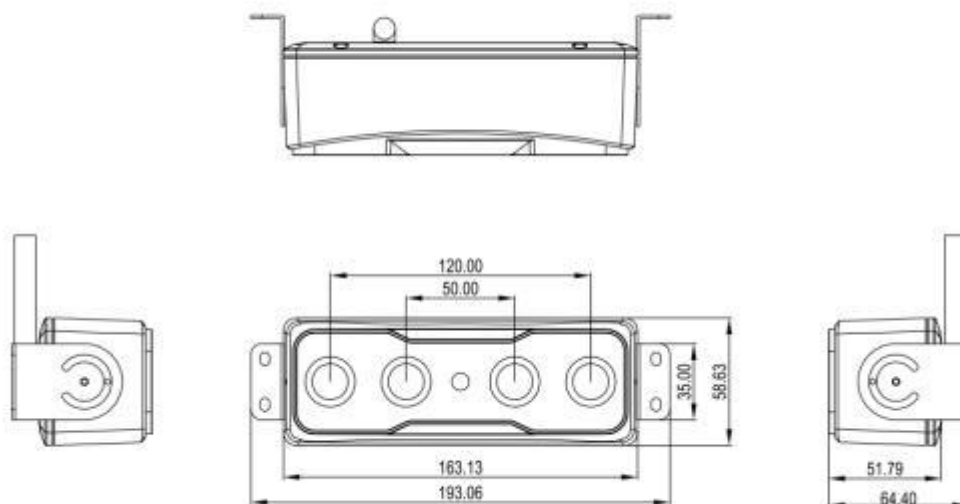


# Bus Passenger Counter

## Specifications

OS:	Linux
Direction:	IN/OUT Bi-direction
Algorithm:	3D Deep Visual Technology
Counting:	Distinguish Head/Shoulder/Direction
Sensors:	Sony White & Black CCD
Resolution:	800TVL
Illumination:	0.001Lux
Lens:	1.8/2.8mm, depend on installation height
Bus Types:	High: 1.85-2.4m, Width:0.7-1.4m
Blind Distance:	20-30cm, depend on lens
Children:	< 1.0/1.2meter will be ignored
IR distance:	2.5meter
Video Connector:	1CH M12 Connectors
Network:	1pcs RJ-45,
Communication:	1set xRS-485(multi-doors, GPS or ), USB (Export Data or Upgrade)
Door Sensor:	2x Sensors input
Alarm:	1sensor output,12V output
Storage:	ROM(12000pcs)
Power:	9-36V DC, 10A,
Temperature:	-40°C to 70°C
Size/Weight:	150*50*52mm/0.3Kg

## Size Illustration:



## System Illustration

# Bus Passenger Counter



## Typical Placements



### Standard Vertical

The cameras should be placed vertically toward to the bus floor, with the bracket, placed any wall



### Lean +/-15°

If distance is too short, cameras must be lean with 15° to detect in/out passenger heads correctly.



### Corridor

For special stairs coaches, counting cameras can placed other position like corridor roof to get the best height and accuracy.



### Special Bracket

Special brackets should be made for no-damage placement and avoid other LED or speaker or TV at the same position

## Appicated Vehicles

Any bus, any doors, any passenger

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Mini Bus



Vans



City Bus



School Bus