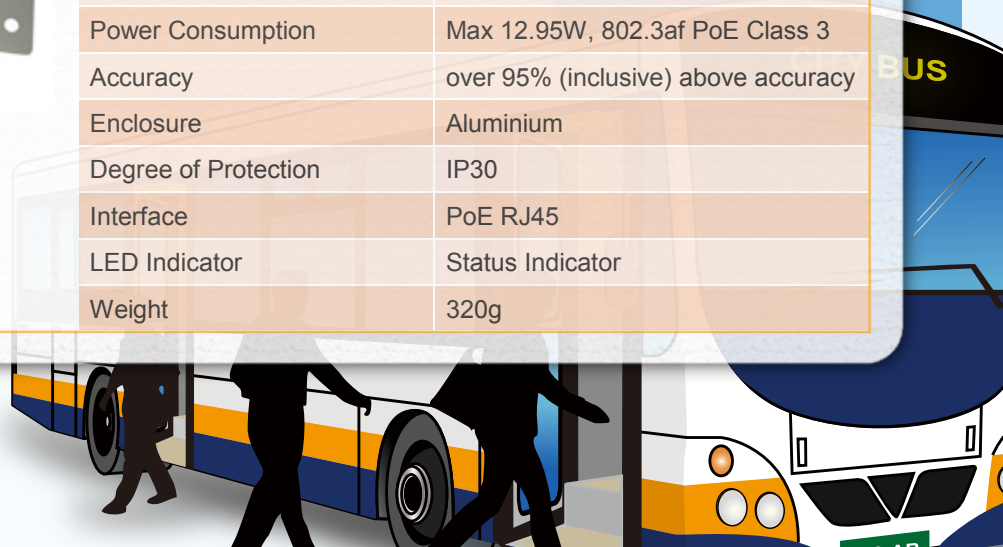# SKYEYE-3DPC-APC

# Automatics Passenger Counter

With simple installation and configuration, combined with advanced optical three-dimensional technique, bus door mounted SKYEYE-3DPC-APC can scan the body heights and contour of passengers then perform individual counts of over 95% (inclusive) above accuracy stable accuracy even when they are leaving or boarding the bus in groups. This counter is also capable of telling the shape differences between the bag and the passenger, which significantly enhance the reliability of an automatic passenger counter.

SKYEYE-3DPC-APC's real-time accurate statistical data containing time and date information would be sent to an onboard AVL processor and become an integrated AVL-APC database. Then the bus operating companies can establish the best routes diagnosis, revenue analysis, APP for real-time bus seats availability and bus status (crowded or full),etc. Eventually to maximize cost-effectiveness in the business.

| System Components | Title | Details |
|---|---|---|
| | Mounting Types | Flush Mount, On-Ceiling Mount |
| | Image Sensor | 3D Depth Sensor |
| | 3D Frame Rate | 30fps |
| | Illumination | 0 Lux, Inside car application |
| | Detection FOV | 74° x 57° x 86° |
| | Mounting Height | 2.2m to 5m |
| | Installation Angle | +/-15° in x-axis and +/-5° in y-axis |
| | Detection Area | 2.1m x 1.65m to 6m x 4.5m |
| | Operating Temperature | 0 to 50 °C |
| | Dimension | 180mm (φ) x 68mm (W) / 48mm(H) |
| | Power Consumption | Max 12.95W, 802.3af PoE Class 3 |
| | Accuracy | over 95% (inclusive) above accuracy |
| | Enclosure | Aluminium |
| | Degree of Protection | IP30 |
| | Interface | PoE RJ45 |
| | LED Indicator | Status Indicator |
| | Weight | 320g |

ecaF Technology, Inc.

# SKYEYE-3DPC-APC
# Automatics Passenger Counter

## Typical application benefits include

☑ Accurate data for settling a transportation contract
☑ A reminder APP for real-time bus seats availability
☑ Evolve operation efficiency and revenue performance
☑ Optimize bus capacity and utilization
☑ Improve strategy on bus capacity requirement and route planning
☑ Passenger habits database and analysis
☑ Generate public transport utilization and penetration

## Product Features

☑ Up to 30 fps tracking over 95% (inclusive) above accuracy
☑ Can be use lighting, inside car environment
☑ U-type rotation detection free counting
☑ Real-time bidirectional counting
☑ Filter carts and strollers
☑ Real-time count data output
☑ Instant pedestrian path tracking
☑ Instant remote site view

**PoE Switch**

**In-Vehicle**
**+**

**CAT.5E (RJ45)**

**3D APC**

**=**
**One Unit**

**4G Router**   **PoE Switch**                    **3D APC**
                                                  Front Door

**Vehicle Host with AVL(GPS)**
                                                  Back Door

Driver seat