

Vulcan™ Series PC3100V • Passenger Counter Camera

FEATURES

Mounted over the vehicle's primary entrance, the PC3100V Passenger Counter Camera uses AI technology to differentiate between passenger entries and exits at route stops. Passenger count data is reported in real time to the required MotoTrax™ Online Surveillance Manager by AngelTrax, via the mobile recorder's active Internet connection. Fleet operators can analyze passenger trends and monitor overcrowded or underutilized stops to optimize route efficiency. The PC3100V adapts to varying weather and lighting conditions to accurately detect passengers, day or night, and is compatible with the Vulcan Series V862HC, V1202HC, V1284HC and V20HC. For capturing passenger count data from vehicles with secondary doors, please refer to the PCVCAM2 Passenger Counter Secondary Camera.

DIMENSIONS

- Height: 2.0 inches
- Width: 7.0 inches
- Depth: 2.0 inches
- Weight: 1.15 pounds

LENS

- 1/2.8" 2MP CMOS
- Focal length: M12 2.7mm

RESOLUTION

- Mainstream: 1080P @ 30fps
- Substream 1: VGA/QVGA/CIF @ 15fps or D1 @ 15fps
- Substream 2: CIF @ 10fps/self-adaptive

ELECTRONIC SHUTTER

- 1/60s-1/5000s

MINIMUM ILLUMINATION

- Color: 0.05/Lux/F1.2
- Black/White: 0Lux (IR LED on)

CONNECTION PORTS

- RS485 (USB) x 1
- 6-Pin aviation connector (network port) x 1
- 4-Pin avionics connector (for PCVCAM2) x 1

OPERATING CONDITIONS

- Operating temperature: -22°F ~ +158°F (-30°C ~ +70°C)
- Storage temperature: -40°F ~ +185°F (-40°C ~ +85°C)
- 0% ~ 90% humidity

POWER INPUT

- 8~16V



POWER CONSUMPTION

- <5W

PROTECTION RATING

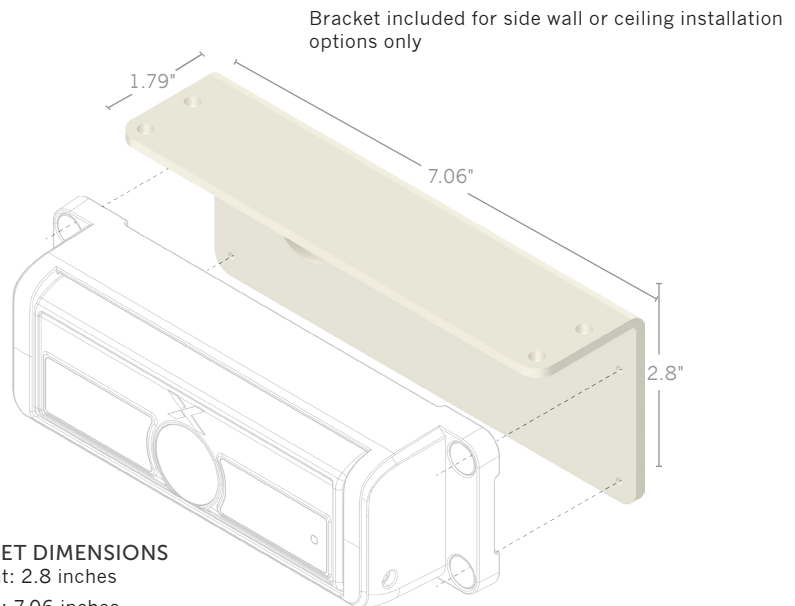
- IP43 rated metal housing

DETECTION ACCURACY

- 99% Accurate during normal periods
- 95% Accurate during peak periods
- 97% Overall accuracy

INSTALLATION

- Suggested installation height is approximately 6.2~7.9 feet above the vehicle floor.



BRACKET DIMENSIONS

- Height: 2.8 inches
- Width: 7.06 inches
- Depth: 1.79 inches
- Weight: 1.15 pounds
- Camera weight with bracket: 2.3 pounds

Specifications, features and applications of use are subject to change without notice. ▼ 05/2026 A