

PCAM-CT01



**Back-up Camera**  
with Moving Object Detection  
**User Manual**



## **Thank you for purchasing the EchoMaster Back-up Camera with Moving Object Detection**

EchoMaster Cameras are designed to improve safety by providing high quality images of surrounding areas and obstacles in the vicinity of the vehicle. This may help improve vehicle maneuvering capabilities by displaying blind spots or areas not normally visible to the driver.

Please ensure you read and understand all aspects of this manual before installing or using your EchoMaster products.

### **What's Included:**

- Backup Camera
- Video Extension Harness
- Notification Buzzer
- Installation Hardware
- User Manual

### **Features:**

- 140° Viewing Angle
- 180° Moving Object Detection Angle
- Alert Notification Speaker
- Water/Debris-proof rating: IP67

## Camera

The PCAM-CT01 is an intelligent camera that combines the function of radar and rearview camera to detect objects that move behind the vehicle when the vehicle is placed in reverse.

## Object Detection

The PCAM-CT01 has a 180° moving object detection capability.

The PCAM-CT01 provides a reverse camera video image and on-screen pop-up warning alert with an audible notification.



\*Monitor not included

## Installation

For optimal performance, install the camera in the center of the vehicle's rear bumper near the license plate.

Recommended mounting height is 23" to 43.5", at a 25° - 30° downward angle

## Wiring

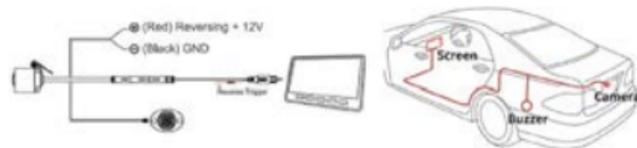
- 1) Connect the Black (-) GND wire to the vehicles chassis or directly to the vehicles negative battery terminal.
- 2) Connect the Red 12 (+) Volt reverse trigger wire to the vehicle's reverse light.

## Wiring

3) Connect the Yellow RCA to the Aftermarket radios or monitors reverse camera video input.

Note: There are two Red trigger wires located in the harness, Only one requires a connection. This was done to help with vehicle installations that do not have access to power at the rear of the vehicle, in this case, you can connect the ground wire at the rear of the vehicle and connect the Red reverse wire located at the radio side.

## Wiring Diagram



## Buzzer

The Buzzer has three alert levels: High, Low, and Off



Operating Voltage	12 V
Voltage Range	9-16V DC
Resolution	720 x 480
Dynamic Range	>125db
Video Format	NTSC
Buzzer SPL	90-120db@10cm
Visible Angle	140°
Detective Angle	180°
Operating Temperature	-4F - +158F (-20C - +70C)
IP Rating	IP67
Dimensions (inch/mm)	1.1" x 1.1" x 1.25" (28mm x 28mm x 32mm)
AV output format	CVBS (RCA connector)



ECHOMASTER

email - [support@aampglobal.com](mailto:support@aampglobal.com) (US)

tel - 866-931-8021



DEFINE YOUR DRIVE

EchoMaster is a Power Brand of AAMP Global.

**EchoMaster.com**