



...connecting to the aftermarket

# Connects2 Vision

## User Manual

### CAM-KIT8

Number Plate Surround Mounted Camera  
With 4.3" Colour Monitor & 2 Parking Sensors

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#### PRODUCT FEATURES:

Number plate surround mounted camera with 2 parking sensors  
4.3" colour monitor with 2 video inputs  
Operating Voltage: 12V DC (Negative Ground)  
Current Consumption: 350mA @ 13.8V  
Operating Temperature: -30 Degrees C to +70 Degrees C  
Detection Angle: >60 Degrees (V & H)  
Detection Range: 0.3 to 2.0m  
Buzzer Volume: 83dB  
Camera Angle: 120 Degrees  
Waterproof Rating: IP68  
Number Plate Surround Size: 550mm x 140mm

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#### DISCLAIMER:

##### **Prior to Installation**

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure you use the correct tools to avoid damage to the vehicle or product.

***Connects2 can not be held responsible for the installation of this product.***

##### **Technical Support**

Connects2 want to provide a fast and suitable resolution should you encounter any technical issues. With this in mind, when contacting Connects2, try to provide as much information as possible. This will speed up the process and help us to help you.

**Please use our dedicated online technical support centre: [support.connects2.com](http://support.connects2.com)**

## **CONTENTS**

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- Number plate surround with camera, sensors and connectors (2x sensor connectors, RCA Female video connector & Female DC power connector)
- Control unit
- 4.3" colour monitor with integrated stand, 30cm cable to 2x RCA Female video connectors and Female DC power connector
- 2.2m sensor extension cables (x2)
- 2.0m RCA Male to Male extension cable
- 5.0m RCA Male to Male extension cable
- 1.0m DC power cable to Male DC connector
- Connection cable with 3pin connector to 2x RCA Female video connectors
- Connection cable with 4pin connector, buzzer with 1.6m cable, 1m camera power cable with Male DC connector & 1.6m power/ground connection wires
- Adhesive pads
- Allen key
- Instructions

## **INSTALLATION**

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1. Remove the rear number plate from the vehicle and secure it to the number plate surround.
2. Attach the surround to the vehicle and connect the 2x sensor extension cables to the sensors, the Male DC power connector on the larger connection cable (labelled CAMERA) to the Female DC power connector on the camera cable and the 5.0m RCA Male to Male extension cable to the RCA Female video connector on the camera cable.
3. Connect the Black wire on the larger connection cable to a suitable ground and the Red wire to the reversing light circuit or an interface that provides a reverse signal.
4. Mount the buzzer in a suitable location so it can be easily heard by the driver.
5. Connect the 2x sensor extension cables and the 4pin connector on the larger connection cable to the control unit.
6. Connect the 5.0m RCA Male to Male extension cable to the Female RCA connector labelled CAMERA on the smaller connection cable and connect the 2.0m RCA Male to Male extension cable to the Female RCA connector labelled VIDEO OUT
7. Connect the 3pin connector on the smaller connection cable to the 3pin connector on the control unit

**INSTALLATION:**

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8. Connect the other end of the 2.0m RCA Male to Male extension cable to either of the RCA Female video connectors on the monitor, connect the 1.0m DC power cable to the monitor, connect the Black wire on the DC power cable to a suitable ground, connect the Red wire to a switched +12V supply and connect the power cable to the monitor.

9. Engage reverse gear and check that the camera and sensors are being displayed correctly on the monitor.

10. If adjustment of the camera is required, loosen the 2x grub screws using the supplied Allen key and set the camera in the required position.

11. The angle of the sensors may also require adjustment so that the distance of the object detected corresponds with the distance displayed on the monitor (see stage/distance/awareness/alarm/display information) the sensors are adjusted in the same manner as the camera

**STAGE/DISTANCE/AWARENESS/ALARM/DISPLAY INFO**

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Stage: 1  
Distance: 2.0-1.6m  
Awareness: Safe mode  
Alarm: No  
Display Info: 2.0-1.6

Stage: 2  
Distance: 1.5-1.0m  
Awareness: Safe mode  
Alarm: BI...BI...BI  
Display Info: 1.5-1.0

Stage: 3  
Distance: 0.9-0.5m  
Awareness: Alarm mode  
Alarm: BI..BI..BI  
Display info: 0.9-0.5

Stage: 4  
Distance: 0.4-0.3m  
Awareness: Alarm mode  
Alarm: BI.BI.BI  
Display info: 0.4-0.3

Stage: 5  
Distance: 0.3-0m  
Awareness: Danger mode  
Alarm: BI.....  
Display: 0.0

