

# Sony CCD camera Astra/Zafira/Vectra/Insignia/Corsa/Meriva/Cascade NTSC

Art. Nr: CAM-OPEL-39N

#### **General:**

This reversing camera is specially dedicated for Opel vehicles. The inconspicuous, robust camera with Sony CCD lens simply replaces the license plate light. Just easy remove the existing license plate light and replace it with the reversing camera, this is also equipped with a light. The camera is complete including plug and play cable kit which allows easy plug and play installation. The camera is waterproof according to the IP67 certification level.

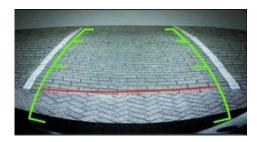


## SONY

Besides the camera is equipped with guard lines. With these lines you can easily stipulate the distance to an object behind the car.

#### Features:

- 1/3" SONY CCD lens
- 600 TV lines
- Guard lines
- Lens angle 170 degrees
- Waterproof according to IP67 certification level
- Black Light Compensation
- Display in mirror image
- Automatic color correction
- Motion message



The camera shows static picture lines. These are guides to which the distance of the object can be determined where you drive your car to. Ideal for parking.

#### Image distortion correction

Before

After





Image distortion correction

The camera runs on intelligent software. As a result the unwanted bulging in

the camera image is automatically corrected.

#### Image color correction

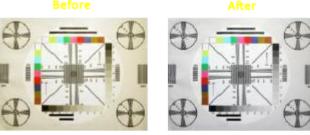


Image color correction

The camera runs on intelligent software. As a result the unwanted discolorations in the camera image is automatically corrected.

#### **Back Light Compensation**

OII





Back Light Compensation

The camera runs on intelligent software. As a result the appearance of a bright background or lamps in the camera image is automatically corrected.

#### Motion message:

If there are moving objects in the image as; pedestrians, children or animals a pedestrian warning icon will blink in the upper right corner of the camera.

#### The following is provided in the set:

- Audi reversing camera NTSC with license plate lamp
- Video extension cable 5 meter (RCA)
- Installation manual
- Invoice
- Warranty

#### Additional information:

- Check before you order the camera for the compatibility on the tab
- "Compatibility" or the model and the measurements of the camera match with the license plate lamp.
- With a multimedia interface or video interface it is possible to connect the camera with the original navigation system, ask for the possibilities.
- Concerns a high-end SONY CCD lens, so no cheap CMOS lens

#### Technical features:

- IP rating: IP67 (Water proof)

- Image Sensors: Colour 1/3"SONY CCD

- TV System: NTSC

Effective Pixels: NTSC 752x582
Sensing Area: 4.9 × 3.7 mm
Horizontal Resolution: 480 TV Line

- Horizontal Sync. Frequency: 15.625 / 15.734 kHz

- Vertical Sync. Frequency : 50/60 Hz

Video output: 1Vp-p,750hmGamma Consumption: 0.45Auto Gain Control: Automatic

- Back Light Compensation: Automatic

S/N Ratio: Better than 48dB
Lens Angle: 170 ° (Degrees)
Current Consumption: 150mA
Power Supply: DC +12V (10%)

Operating Temperature: -20 C to +70 CStorage Temperature : -40 C to +80 C

Connection: RCAImage: Mirror

#### Compatible with:

Astra	2004-2007
Astra	2007-2009

Cascade

Corsa 2006-2010 Corsa 2010-2011 Insignia 2008 -201> Insignia Sport Tourer 2009-201> Vectra 2002-2005 Vectra 2005-2009 Zafira 2008-2011 Meriva 2003-2005 Meriva 2005-2010

#### **Remarks:**

- The license plate lights of the above mentioned car models may vary.
- Check before you order the camera for the compatibility on the tab
- "Compatibility" or the model and the measurements of the camera match with the license plate light.
- Check by use of the picture if the mounting is the same as with the license plate light.

#### Measurements:

The dimensions are external. The camera has the following dimensions.

- Length: 103 mm

<sup>\*</sup> Check before you order the camera for the compatibility on the tab

<sup>&</sup>quot;Compatibility" or the model and the measurements of the camera match with the license plate light.

### - Width: 31 mm

