### Camera with integrated LED lights / PAL

**Technical Data**

- **Lens**
  - Specified: 78°
  - Horizontal lens angle: 70°
  - Vertical Lens angle: 53°

- **Sensor element**
  - Colour ¼" CCD image sensor

- **Picture elements**
  - 542 (H) x 586 (V), resolution 380 TVL / 470TVL (enhanced)

- **Video output**
  - 1 Vpp composite video / 75 Ohm

- **Light sensitivity**
  - 0.5 Lux, f1.2, 5600°K

- **Housing**
  - Anodised aluminium, black, UV resistant, light fastness >8, corrosion proof according IEC 60068-2-52 salt mist cyclic

- **Ingress protection**
  - IP68 according to IEC 60529 (up to 10m under water). IP69K according to DIN 40050-9, camera housing can withstand high pressure cleaning with water; 14-16L/min. 80°C and 100 bars flow

- **Nitrogen filled**
  - Filled with overpressure 1 bar

- **Lens glass**
  - SLR Glass: Acid-resistant, successfully tested against stone chipping for „truck use“. Resistant against liquids and materials to be expected when used in truck applications.

- **Shock constancy**
  - Shock and vibration resistant for usage on trucks, cranes, fork-lift trucks, maritime applications, machinery: According to IEC 60068-2-27 shock test

- **Vibration test**
  - 30G, 11 ms and vibration test frequency (Hz):
  - 5 to 1000, PSD (g²/Hz) 0.02 to 0.7

- **Weight**
  - 0.21 kg, 0.29 kg in standard packing

- **Power input**
  - Stabilised 12 V/DC ±1.5 V

- **Power consumption**
  - Without heating: 1.2 W, with heating: 3 W

- **Operating temperature**
  - -40°C to +85°C

- **Connectors**
  - 4pin male M12 connector, A-coded

- **Cable**
  - 1x Coax, 3x Signal
  - Min. cable bend radius: 50 mm

- **Approvals**
  - EMC in compliance with 72/245EC, 2006/28/EC

### Casing / Mounting / Connector

![Casing / Mounting / Connector Diagram]

<table>
<thead>
<tr>
<th>Pin</th>
<th>Signal</th>
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<tbody>
<tr>
<td>1</td>
<td>Video Signal</td>
</tr>
<tr>
<td>2</td>
<td>Video GND</td>
</tr>
<tr>
<td>3</td>
<td>Power Supply +12 V</td>
</tr>
<tr>
<td>4</td>
<td>Power Supply GND</td>
</tr>
</tbody>
</table>

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**Author(s):** RAD