The world first 8 channel vehicle camera system

UniSee 800
Possible Install Type 1

Camera functions:
- 1,2 Front side View
- 3,4 Side View
- 5 Backup View
- 6 Front View
- 7 Side Parking Assist
- 8 Indoor View

UniSee 800
Possible Install Type 2

Camera functions:
- 1,2 Front View
- 3,4 Backup Side View
- 5,6 Side View
- 7 Front View
- 8 Backup View

Customize All Your Need!
- Support up to 8 channel camera input
- Customization control logic design
- Customization harness design
## Completed International Japan, Europe Vehicle Spec Design!!

<table>
<thead>
<tr>
<th>Item</th>
<th>NU UniSee Series</th>
<th>Other Brand Name Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Spec: -40°C ~ +65°C</td>
<td>Normal Spec: -10°C ~ +50°C</td>
</tr>
<tr>
<td>Lens Brand</td>
<td>Canon or Panasonic</td>
<td>Unknown</td>
</tr>
<tr>
<td>CMOS Sensor</td>
<td>Omnivision or Micron</td>
<td>Unknown</td>
</tr>
<tr>
<td>Waterproof</td>
<td>IP68, the highest level</td>
<td>IP65 or lower</td>
</tr>
<tr>
<td>Defogged of Lens</td>
<td>Glass macromolecule coating can remove the water drop and mist</td>
<td>None, Lens easy covers the mist</td>
</tr>
<tr>
<td>UV Protection of Lens</td>
<td>Special UV coating on the lens to avoid split or crack</td>
<td>None Easy to split or crack after long time UV ray irradiated, and caused the bad images</td>
</tr>
<tr>
<td>Power input</td>
<td>Common usage for 12 &amp; 24V</td>
<td>Only for 12V, Common usage for 12&amp;24V will add up the cost</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt; 30~40mA</td>
<td>&gt; 60~100mA</td>
</tr>
<tr>
<td>Min.Um Illumination</td>
<td>&lt; 1lux</td>
<td>&gt; 2Lux</td>
</tr>
<tr>
<td>Contrast Under the Blaze</td>
<td>Good, Clear display the image under blaze and low luminous areas.</td>
<td>Weak, Strong contrast under blaze and low luminous areas, hard to differentiate the image.</td>
</tr>
<tr>
<td>Protection of Reverse Current</td>
<td>Yes</td>
<td>Only few ones with it</td>
</tr>
<tr>
<td>Protection of Reverse Power &amp; Video input</td>
<td>Yes</td>
<td>Only few ones with it</td>
</tr>
<tr>
<td>Backup Parking Guide Line</td>
<td>Yes</td>
<td>Only few ones with it</td>
</tr>
<tr>
<td>Cable for Image</td>
<td>High spec for image cable, provide high quality image</td>
<td>Not really care the cable spec or image</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 year</td>
<td>1 year</td>
</tr>
<tr>
<td>Factory</td>
<td>Factory passed TS16949</td>
<td>Not sure passed the TS16949</td>
</tr>
</tbody>
</table>

### Camera General Specifications:

- **Focal Length**: 1.41 mm
- **Lens Iris**: F2.4
- **Angle of View**:
  - 1300 (H) (Rear camera)
  - 600 (H) (Front camera) x 1000 (V) x 1600 (D)
- **Power Input Voltage**: DC6~24V
- **System**: NTSC
- **Technology**: 1/4” or 1/3” CMOS
- **Total Pixels**: 640 x 480
- **Horizontal & Vertical Sync. Frequency**: 60 Fields/Sec @ 27Hz
- **Resolution**: 280 TV Line
- **Min. Um Illumination**: 1 Lux
- **S/N Ratio**: 48db @ 600 C
- **Gain Control**: Auto
- **White Balance**: Auto
- **Back Light Compensation**: Auto
- **Video State**: Mirror/Normal
- **Aperture Correction**: Horizontal/Normal
- **Power Consumption**: < 40mA
- **Auto Electronic Shutter**: 1/60s - 12
- **Storage Temperature**: -40°C ~ +85°C (rear), +105°C (front)
- **Operating Temperature**: -40°C ~ +85°C (rear), +105°C (front)
- **Fluid Ingress Standard**: IP 68 Standard
- **Standard Packaged Mass**: ~25g