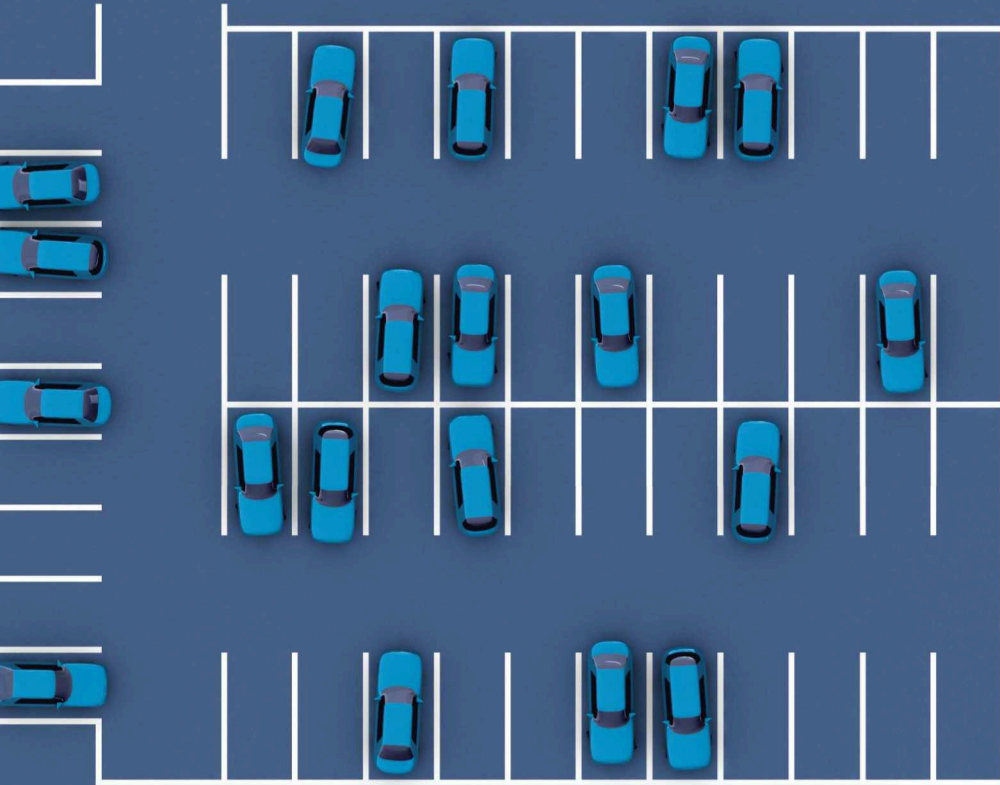


UniSee™ 100 Series



With Parking Guiding Line

*LCD Monitor is Option

UniSee 100 -- Backup View Camera System

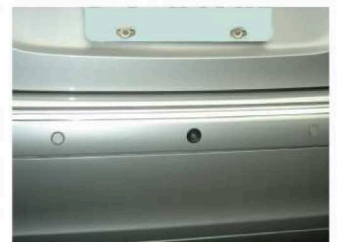
Backup view camera system consists of a camera installed at the back of a vehicle, displaying video on top of the dash board when the car is in reverse gear. The advantage here is that the system feeds real-time images to the driver. Compared with traditional rear laser sensors, which provide alarm sounds with slower response time, the visual alert can effectively reduce the risk of hitting children or other obstacles.

Besides providing rear view images, it also offers backing distance mark, called rear view guiding line, which enables the driver to easily and quickly determine the distance for parking.

Install position:



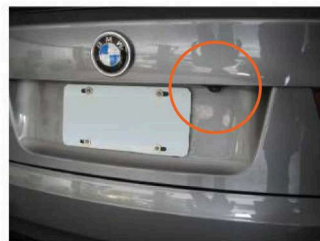
On the Rear Bumper:



+



On the Top of Plate:





Completed International Japan, Europe Vehicle Spec Design!!

| Item | NU UniSee Series | Other Brand Name Products |
|---|--|--|
| Temperature | Spec: -40°C ~ +85°C | Normal Spec: -10°C ~ +50°C |
| Lens Brand | Canon or Panasonic | Unkown |
| CMOS Sensor | Omnivision or micron | Other company, Normal Spec. |
| Waterproof | IP68, the highest level | IP65 or lower |
| Defogged of Lens | Glass macromolecule coating can remove the water drop and mist easily and speedily, keep the clear image all the time. | None. Lens easy covers the mist |
| UV Protection of Lens | Special UV coating on the lens to avoid split or crack | None Easy to split or crack after long time UV ray irradiated, and caused the bad images |
| Power input | Common usage for 12 & 24V | Only for 12V. Common usage for 12&24V will add up the cost |
| Power Consumption | < 30 ~ 40mA | > 60 ~ 100mA |
| Min.Um Illumination | < 1lux | > 2Lux |
| Contrast Under the Blaze | Good. Clear display the image under blaze or low luminous areas. | Weak. Strong contrast under blaze and low luminous areas, hard to differentiate the image. |
| Protection of Reverse Current | Yes | Only few ones with it |
| Protection of Reverse Power & Video input | Yes | Only few ones with it |
| Backup Parking Guide Line | Yes | Only few ones with it |
| Cable for Image | High spec for image cable, provide high quality image | Not really care the cable spec or image |
| Warranty | 2 year | 1 year |
| Factory | Factory passed TS16949 | Not sure passed the TS16949 |

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 | 380 TV Line |
| Min. Um Illumination | 1 Lux |
| S/N Ratio | 48db @ 600 C |
| Gain Control | Auto |
| White Balance | Auto |
| Back Light Compenation | 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 |