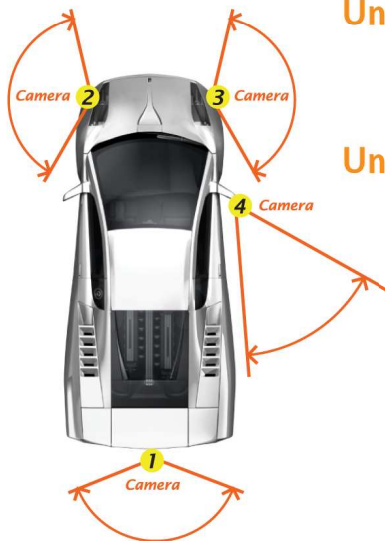




*LCD Monitor is Option



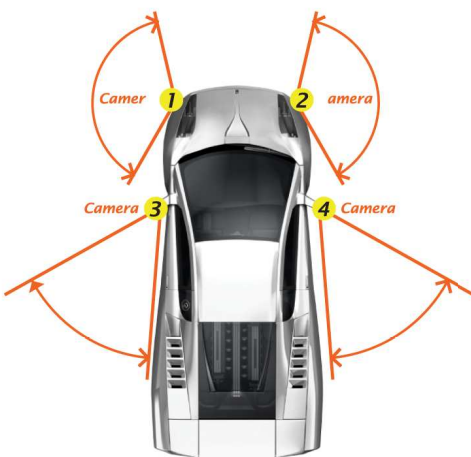
UniSee 400A

**UniSee 400A -- Front Side Collision Prevention Camera System
+ One Blind Spot Detection Assist System
+ Backup View Camera System**

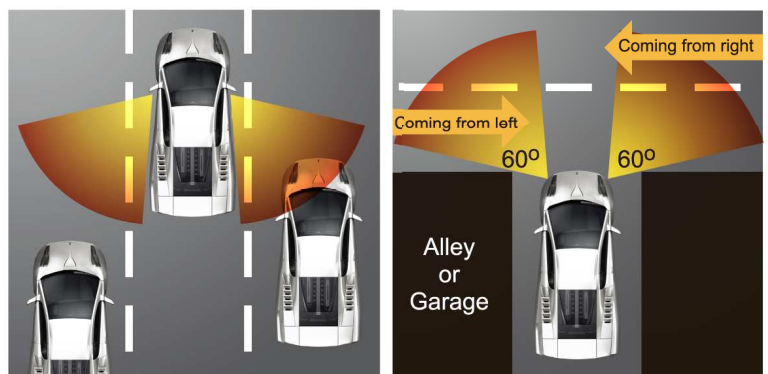
**UniSee 400B -- Front Side Collision Prevention Camera System
+ Blind Spot Detection Assist System**

Main Features:

1. No more rear view dead space
2. Avoid hitting children or other obstacles (rear view function)
3. Unique parking guide line function
4. Detect front side coming car , avoid hitting coming cars (Front Side Collision Prevention)
5. Unique driving view Blind Spot Detection function (Image BSD)
6. IP68 waterproof standard
7. Front camera working temperature range: -40°C ~ +105°C
8. Rear camera working temperature: -40°C ~ +85°C
9. Camera lens from Japan Canon or Panasonic
10. Omnivision or Micron (Aptina) CMOS sensor, OE standard
11. Manufacturing from vehicle ISO/TS - 16949 certification factory



UniSee 400B





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