

Thermal Imaging Driving Assistant System

N-Driver™ sees through the total darkness, thick smoke, dense fog, heavy rain and snow, reveals unexpected obstacles, highlights sudden events, improves visibilities of road signs, navigates on unknown roads and overcomes blindness caused by oncoming headlights, thus dramatically lowers the risks of driving and enhances the safety of lives, properties and profits. Featured razor-sharp live imaging, extremely wide viewing range, incredible durability in diverse harsh environments, instant installation on any vehicles and high affordability for any limited budgets, N-Driver™ is absolutely the perfect choice of driving assistant vision systems.

Features and Benefits

- Rugged and compact design ensures easy integration
- Short response time & high refreshing frequency
- NUC-free IR images with high quality during the whole driving process
- Wide-angle lens delivers super-wide viewing range
- Enabling a detection range 4 times further than traditional headlight
- Hermetically sealed water & dust proof



Applications



Installing inside



Specifications

Imaging Performance

Detector Type	Microbolometer UFPA 384 × 288, 25 μm
Spectral Range	8 to 14 μm
Field of View	40.5° × 31°
Focus / Min Focusing	13mm lens, 1m
Image Frequency	50Hz PAL/60Hz NTSC

Video

Output	RS170 PAL /NTSC composite video
Connector Type	LEMO-HGGOB309/FGGOB309 plug

Power

Input Voltage	12V DC ± 3V DC
Power Dissipation	3W

Environmental Specifications

Operating Temperature Range	-20°C to +60°C
Storage Temperature Range	-40°C to +60°C
Encapsulation	Hermetically sealed enclosure

Physical Characteristics

Camera Weight	0.36kg
Camera Size	89mm × 71mm × 58mm
Detection Range	2.3m vehicle > 800m 1.7m people > 400m

Visual Image



IR Image

