

armstrong optical

N-Driver Thermal Imaging Driving Assistant



The **N-Driver** system is able to image through total darkness, smoke, fog, heavy rain and snow and can reveal unexpected objects and obstacles, highlight sudden events, improve the visibility of road signs and overcome blindness caused by oncoming headlights. These features combine to dramatically lower the risk of driving at night and enhance road safety and security.

Featuring real-time crisp imaging and a wide field of view the **N-Driver** can be fitted to any vehicle and increases the road detection range by several times the range of conventional headlights.

Imager:

Detector type	Uncooled FPA
Spectral range	8 - 12 μ m
Sensor size	384x288 pixels
NETD	\leq 80mK

Optics:

Focal length/ f#	13mm f/1
Field of view	41° x 31°

Image presentation:

Video output	50/60Hz PAL/NTSC
Connector	LEMO

Power:

Power supply	12V DC
Power consumption	3W

Environmental specification:

Operating temperature	-10°C to +55°C
Storage temperature	-40°C to +60°C
Encapsulation	Hermetic sealing

Physical:

Size	89 x 71 x 58mm
Weight	360gm