



May 3, 2018

Technology highlights of the new Touareg – Part 1: Night Vision protects people and animals when driving in the dark

- The Touareg's thermal imaging camera can detect endangered persons and wild animals at night sooner than any human being
 - The Night Vision feature can detect objects up to 130 metres away in the dark, warn the driver and activate the braking system
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Wolfsburg (D) – The new Touareg will be released onto the market packed with a range of innovations designed to help minimise dangerous situations. The new Touareg is the first Volkswagen model available with the Night Vision assist system. A thermal image camera (infrared camera) integrated at the front of the car registers infrared radiation coming from a living organism. If this camera detects people or animals, the assistant warns the driver within the limits of the system. This reduces the risk of endangering pedestrians, especially when away from well-lit city streets.



Night Vision in the new Touareg

A detailed look at the system's features: the infrared camera can register objects such as standing, non-concealed pedestrians, cyclists and larger wild animals at a range of 10 to 130 metres in front of the car. Once they reach a defined corridor or – in the case of people – once they are able to enter this corridor due to their

trajectory, the driver is alerted via a screen in the Digital Cockpit – the Touareg's digital instrument panel.

Outside the risk corridor, passers-by and animals are highlighted in yellow in the black and white image created by the night vision system. If they traverse certain boundaries along the road, the figures marked yellow become red. Even if the display for the Night Vision system is not activated in the Digital Cockpit, the screen automatically switches to this mode when danger is detected and at speeds exceeding 50 km/h, and displays people and animals in red. At speeds of less than 50 km/h, a red warning

Press contact

Volkswagen Communications
Product Communications
Martin Hube
Spokesperson for mid-size and full-size models
Tel.: +49 5361 9-49874
martin.hube@volkswagen.de



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signal lights up in the instrument panel without an active display. In addition, an acoustic warning is issued in parallel in the (optional) head-up display (red signal). At the same time, the braking system is pre-set to immediately provide the highest deceleration rate.

Thanks to the new interactive "IQ.Light - LED matrix headlights" also available in the Touareg, people in a potential danger area are also briefly flashed at speeds of more than 60 km/h when not in urban areas to make them even more visible to the driver and as a warning (without dazzling the individuals concerned). This spotlight is exclusively offered in conjunction with Night Vision. With the combination of Night Vision and IQ.Light - LED matrix headlights, dangerous situations can thus be recognised much sooner and resolved.

¹⁾ Touareg 3.0 TDI (210 kW/286 PS) fuel consumption in l/100 km: urban 8.1 / extra-urban 6.2 / combined 6.9; CO₂ emissions in g/km: 182 (combined), efficiency class: C

About the Volkswagen brand: "We make the future real"

The Volkswagen Passenger Cars brand is present in more than 150 markets throughout the world and produces vehicles at over 50 locations in 14 countries. In 2017, Volkswagen delivered 6.23 million vehicles including bestselling models such as the Golf, Tiguan, Jetta or Passat. Currently, 198,000 people work for Volkswagen across the globe. The brand also has over 7,700 dealerships with 74,000 employees. Volkswagen is forging ahead consistently with the further development of automobile production. E-mobility, smart mobility and the digital transformation of the brand are the key strategic topics for the future.
