Audi e-tron - Virtual Exterior Mirror

World premiere in a volume-production automobile: virtual exterior mirrors
For the first time in a volume-production automobile, virtual exterior mirrors are available asan option in the Audi e-tron. They not only provide a new technology experience, but also many practical benefits in terms of comfort and safety.

Integrated into the hexagonal end of their flat supports is a small camera, whose images are digitally processed and displayed on high-contrast, 1,280 x 800-pixel OLED displays in the transition between the instrument panel and the door. They blend harmoniously into the driver’s area’s wraparound concept. The 7-inch displays come with automatic brightness adjustment and proximity sensors. If the driver moves their finger toward the surface of the touch display, symbols are activated with which the driver can reposition the image. A switching function allows the driver to use their display to also adjust the virtual passenger-side mirror.

Thanks to the sophisticated image processing,the displays provide a significantly better image than a conventional mirror in certain situations, such as in direct sunlight. The mirrors adjust automatically to three driving situations: highway, turning and parking. On the highway, the field of visionis reduced so that the driver can better estimate speeds when driving fast –other vehicles then appear larger in the display. If the driver signals an intention to turn or change lanes by indicating, the indicator view extends the image detail on the relevant side. This reduces the blind spot. The field of vision is extended downward when maneuvering and parking. The display visualizes the turn signal as a green contour on its outer frame and also displays notifications from the Audi side assistlane-change assistant and the exit warning.

Status 11/2018

Source: www.audi-technology-portal.com
AUDI AG 2026