

World First* Next-Generation Fender-Mounted Digital Mirror

TOKAI RIKA Co., Ltd. (Head Office: Oguchi-cho, Niwa-gun, Aichi, Japan, President: Hiroyoshi Ninoyu) has developed a fender-mounted digital mirror that can replace conventional glass door mirrors, thereby contributing to enhanced safety by widening the driver's field of view and boosting fuel efficiency by lowering wind resistance.

Vehicle development is advancing around the world to meet the needs and expectations of the future, as exemplified by cars powered by carbon-neutral and otherwise environmentally conscious systems and powertrains, as well as autonomous vehicles, which are expected to play a major role in smart cities with advanced Internet of Things (IoT) capabilities. As a reflection of these ongoing trends, this newly developed digital mirror is a world first for an automotive component manufacturer that represents the fruit of more than 35 years of door and electronic mirror design experience and mounting technology development.

* This is the world's first fender-mounted electronic mirror equipped with an electrical retraction function (as of May 18, 2021). Source: TOKAI RIKA CO., LTD.

Distinguishing features of the next-generation fender-mounted digital mirror:

- (1) **World first**: A function that electronically retracts the mirror toward the fender to help keep the camera clean.
- (2) **World first**: Various communication capabilities through integrated lamps.
- (3) Enhanced safety by widening the driver's field of view
- (4) Lower wind resistance (greater fuel efficiency) through downsizing

Example of mirror mounted on vehicle:

Conventional door mirror position

Fender position (proposed)



TOKAI RIKA CO., LTD. intends to continue taking advantage of its long experience of automotive component manufacturing to develop products that bring even greater peace of mind and comfort to people's lives.