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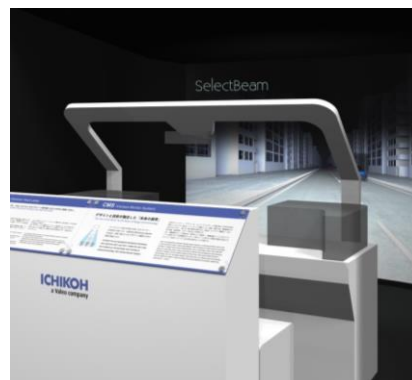
**Ichikoh presents new lighting solutions for automated driving
thanks to its new high definition headlamp cockpit
at Tokyo Motorshow 2017**

Ichikoh will showcase its latest lighting and Camera Monitoring System (CMS) technologies to answer growing needs in automated driving during the Tokyo Motorshow, in Tokyo Big Sight, from October 27 to November 5. The Ichikoh booth will be located in the East Hall 8 (E8102).

Ichikoh will introduce high definition headlamps thanks to an experience-based cockpit that proposes 6 scenarios about possible applications such as advanced glare free high beam and road writing function. Visitors will thus discover new perspectives for lighting, like communication with drivers and pedestrians.

High definition headlamps enable high precision glare-free high beam by darkening only oncoming vehicles and upper body of pedestrians.

It also enables to draw signs and pictograms on the road within the low beam, offering various functions of driving assistance, for example, projecting navigation information in your beam or the size of the car to facilitate passing in a narrow road. It can additionally give safety indications to pedestrians by projecting a zebra zone to indicate it is safe to cross the road.



Ichikoh will also present its lighting communication concept. The 360° LED lighting display informs other vehicles and pedestrians of the vehicles' conducts and paths using patterns, colors or pictograms. Moreover the exterior lighting can have styling and welcoming function with the possibility of uploading personalized messages.



Finally, Ichikoh will present its **Camera Monitor Systems**, which substitute side and rearview mirrors by a set of cameras and displays.



The class 3 Camera Monitor System (replacement of side mirror) improves aerodynamics and broadens the field of view while enhancing vehicle design. On the other hand, the class 1 Camera Monitor System (replacement of rear view mirror) offers a wider field of view regardless of seats, passengers or luggage.

About Ichikoh Industries:

Since its establishment in 1903, as a manufacturer specialized in car lamps and mirrors, Ichikoh Industries has delivered products to major car maker in Japan and overseas. The company equipped the first-generation Datsun headlamp (Nissan) in 1932, and has actively developed its own products: the Japan's first projector headlamp, the world's first power mirror, the mercury-free HID headlamp and the LED.

In 2000, the Company started the alliance with Valeo, and became an affiliate of Valeo Group in 2017. By making the best use of the alliance, the company is enhancing joint development of new products such as electronic mirrors and self-driving, joint procurement by merit of scale and cost reduction by joint research and development, acquire additional global share by active sales activities, expand customer base and have a mutual geographical complementary relationship.

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