Combiner Head-up Display

Product description
The Combiner Head-up-Display (CHUD) is used to project a virtual image into the driver’s field of view by means of an optical system. The most important vehicle information can be displayed directly on the screen:

› Warning messages
› Velocity/rotational speed
› Navigation
› Advanced Driver Assistance Systems
› Environment sensor systems

The choice of information displayed on the screen can be adapted to the customers’ requirements. Our CHUD is a customer specific product, which is adapted individually, depending on the installation space.

Variations
Information for projection via Bus, for example CAN or information via graphic interfaces.

Implementation options
› Head-Up: Display above eye height
› Head-Down: Display below eye height

Application fields
› Commercial vehicles
› Agricultural/construction machines
› Railway vehicles
› Planes

Advantages
› Independence of angle and geometry of the windscreen
› Retrofit solution
› High safety and comfort: No changes to the drivers’ line of sight. Minimal change of focus (street vs. displayed information) – reduction of danger to the blind spot for the driver

Main features
› Virtual image
› Increased contrast
› Display resolution: 480 x 240 (alternative 800 x 480)
› Image brightness: up to 10,000 cd/m²
› Automatic brightness control
› Projection distance: depending on implementation
› Image size: depending on implementation
› Volume: depending on image size and projection distance
› Kinematics: movement of coverage and combiner screen either manual or motorized
› Individual customer specific symbols and images configurable
› Description fields possible
› Temperature surveillance