# Beyond expectations

*Create a safer, more comfortable, more immersive driving experience with a wedge PVB interlayer especially designed for larger field of view and augmented reality head-up display systems.*

saflex
ENHANCE YOUR VISION

## Look further ahead than the competition.

With technologies available today, automotive OEMs are enhancing the driving experience and road safety by implementing larger field of view (LFOV) and augmented reality (AR) head-up display (HUD) systems into their next-generation car models.

Unlike traditional head-up displays with limited content, new-generation HUD systems will display more content by enlarging the FOV, informing the driver of vital information but not distracting from the road ahead. This is made possible by extending the virtual image distance (VID) from 2–3 meters to distances from 4–7.5 meters.

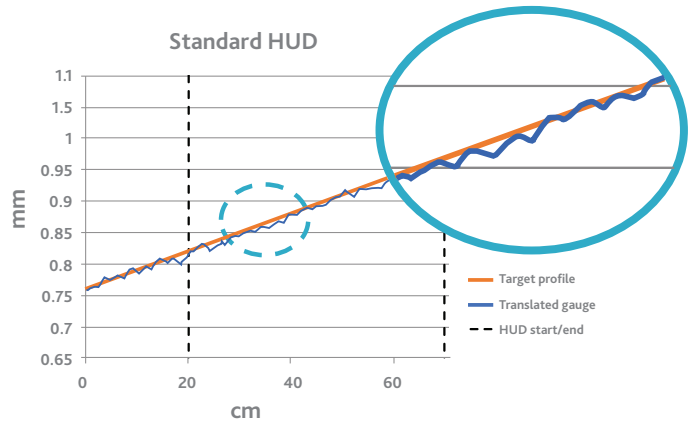
With extended VID projection beyond 7.5 meters, AR overlays dynamic graphics with real-world objects so they appear in the driver's natural field of view and line of sight, providing real-time vital information such as advanced driver assistance, system alerts, and route guidance. AR-HUDs are essential in increasing confidence in self-driving cars and the technologies enabling them.

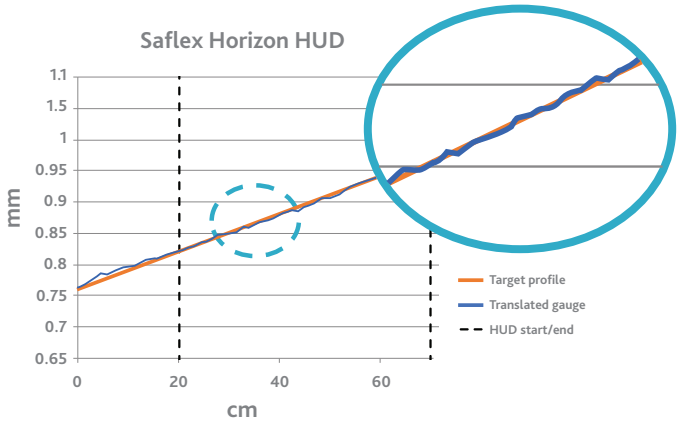
To accommodate LFOV and AR HUD, projection systems require a technology enabling longer VID. The PVB interlayer is a critical element of the full optical system. For improved optical performance, trust Saflex® Horizon LVID.

## Putting your best brand experience forward

Saflex Horizon LVID is a next-generation PVB wedge HUD interlayer featuring enhanced sheet thickness uniformity. This results in reduced dynamic and localized ghosting for large FOV and AR HUD systems.

With Saflex Horizon LVID, automotive OEMs can establish a new standard of image quality at longer virtual image distances to create new and unique user experiences while enhancing road safety.




*Compared with standard HUD interlayers, the improved sheet thickness uniformity provided by Saflex Horizon LVID HUD creates a wedge angle that remains closer to target throughout the HUD zone, resulting in a reduction in localized image ghosting. In addition, the reduction in the wedge angle rate of change further improves driver experience by reducing dynamic ghosting.*

## Great opportunities are on the Horizon.

Saflex Horizon LVID interlayers can help meet quality expectations for HUD systems with greater visual depth and larger field of view, delivering an ever-evolving array of driver-critical information and infotainment—successfully taking drivers and OEMs to what lies ahead.

## Saflex Horizon interlayers are available in acoustic and solar formulations for:

- A quieter, more comfortable cabin experience, improving interaction with voice-activated devices and conversations with passengers
- UV protection that blocks more than 99% of harmful UV radiation and solar control, lowering interior vehicle temperatures for more cabin comfort
- Greater fuel efficiency and $CO_2$ reduction as lower cabin temperatures reduce AC use

## For more information, visit saflex.com.

## Trust the experts.

Around the world, automotive engineers trust Eastman when performance and safety are critical concerns. The reason is simple: Saflex interlayer technology delivers advanced glazing performance for demanding applications, meeting exacting specifications and targets. The industry counts on Eastman for technical and development expertise—making us a global leader in PVB interlayers for automotive applications.

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The results of insight™

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