

Ultra-compact HUD

Under development
Scheduled to be installed in 2027

Reduces the size of the housing while maintaining the same display size as the conventional model, making installation in small vehicles possible

Background or Challenges

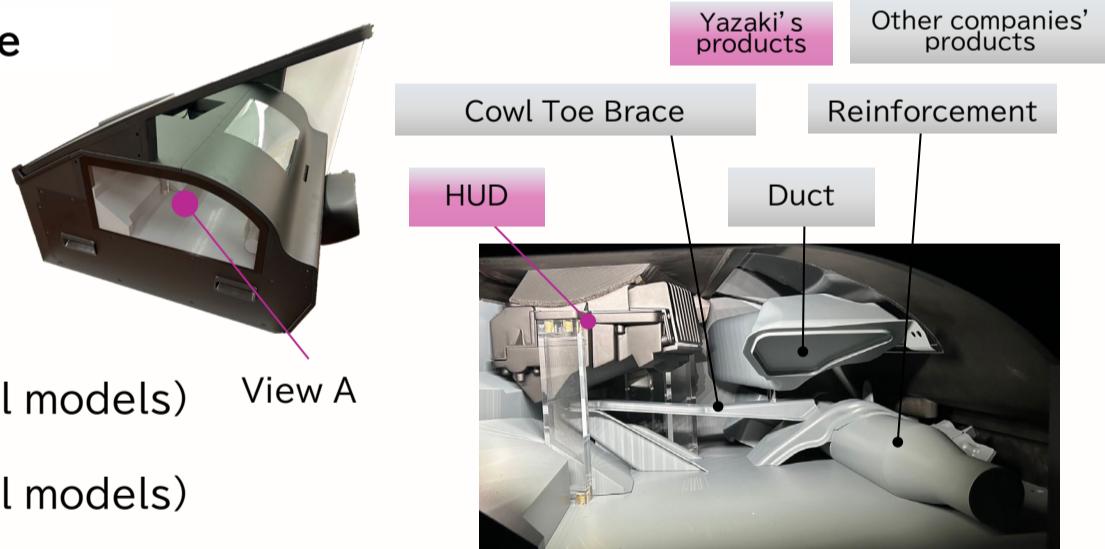
HUD mounting space is limited in small vehicles, making it difficult to install conventional HUDs with large housings, so smaller HUDs are installed instead, resulting in reduced display size.

Solutions to Challenges or Features

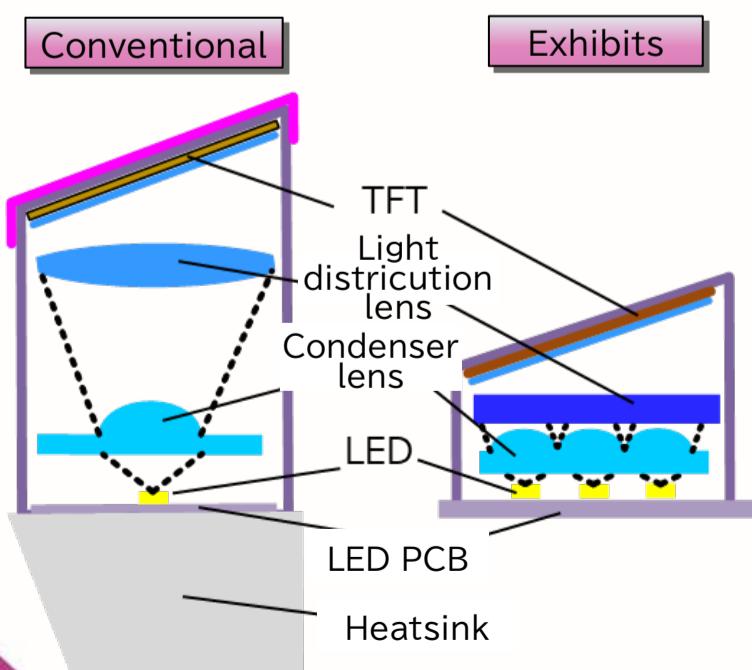
- 1 Achieves the thinner display unit by increasing the number of LED chips and using them as surface light sources
- 2 Heatsink is eliminated by reducing the output power per LED chip
- 3 Reduces the size of the housing by eliminating the folding mirror and shortening the optical path using higher magnification aspherical mirrors

Main performance, specifications/structure

- Display size: 240mm x 90mm
- Viewing distance: 2m
- Virtual image brightness: 13,000cd/m²
- Housing volume: 2.5L or less
(50% reduction compared to conventional models)
- Weight: 1,000g or less
(50% reduction compared to conventional models)



◆ Display unit without heatsink



◆ Folding mirror-less design

