

ABSTRACT

The present disclosure relates to the technical field of near-eye display, and discloses a near-eye display device. The near-eye display device includes a first optical cavity, a second optical cavity and a first reflector (210). The first optical cavity includes a first prism (120), a first reflective polarizing film prism (140), a phase delay film (170), a wedge-shaped lens (180) and a second prism (190) disposed in sequential order. The second optical cavity includes multiple array lenses (200) disposed in sequence. The first reflector (210) is disposed in correspondence with one end of the multiple array lenses (200) and the first reflective polarizing film prism (140). The near-eye display device of the present disclosure can ensure that the near-eye display device has a small volume, a small thickness, and a large field angle.

FIG. 1