

ABSTRACT

Provided is a virtual reality head-mounted apparatus, including: a main body (1), the main body (1) being provided with a convex lens (2); and a camera (4) and a partial-reflection partial-transmission lens (3) for reflecting infrared light provided in the main body (1). The partial-reflection partial-transmission lens (3) is located on a side of the convex lens (2) closer to a user. A lens surface (30) of the partial-reflection partial-transmission lens (3) is disposed obliquely to reflect an infrared image of an eye of the user obliquely to the camera (2). The virtual reality head-mounted apparatus can improve the acquisition accuracy for an infrared image of the eye of the user.