

ABSTRACT

Provided is a virtual reality head-mounted apparatus, including: an apparatus body (1). The apparatus body (1) includes a convex lens (2); and a camera (4) and a partial-reflection partial-transmission lens (3) for reflecting infrared light. The partial-reflection partial-transmission lens (3) is located on a side of the convex lens (2) away from a user. The camera (4) is located between the convex lens (2) and the partial-reflection partial-transmission lens (3). A lens surface (30) of the partial-reflection partial-transmission lens (3) is disposed obliquely, such that an infrared image of an eye of the user is reflected obliquely to the camera (4). The virtual reality head-mounted apparatus can be employed to improve the acquisition accuracy for an infrared image of an eye of the user.