

ABSTRACT

An optical system and a display apparatus. The optical system comprises: a lens component, comprising at least two lenses, and the at least two lenses comprising a first surface, a second surface, a third surface and a fourth surface which are sequentially arranged in an optical axis direction of the lens component; a transflective film, provided on the side of the fourth surface away from the third surface; a polarization reflective layer, provided on the side of the third surface away from the fourth surface; a phase retardation film, located on the side of the fourth surface away from the transflective film; and an adhesive layer, comprising an adhesive-layer lens, at least one of the first surface and the second surface being a Fresnel surface, and the adhesive layer being bonded between the second surface and the third surface. The adhesive layer bonded between the second surface and the third surface comprises the adhesive-layer lens, reflection of light rays by means of the adhesive-layer lens and the Fresnel surface can achieve color aberration correction, and the light rays will not pass through the Fresnel surface during returning processes, thus reducing stray light.