

ABSTRACT

The invention discloses a display device, which is applied to rear projection system, comprising: a screen, which is curved; incident rays penetrating into a concave side of the screen, then being transmitted by the screen, and form parallel rays to be emitted out from the convex side of the screen; a projecting unit, configured to project rays of an image to the screen, the image including a valid area and an invalid area; a covering plank, located between the screen and the projecting unit, configured to cover the invalid area of the image for getting the light of the valid area of the image emitted by the projecting unit to project to the screen. The invention eliminates the fuzzy borders of the projected images with the use of the covering plank.