

LIQUID CRYSTAL DISPLAY DEVICE, AND OPTICAL BLOCK
ABSTRACT OF THE DISCLOSURE

A reflection type liquid crystal projector is provided which includes liquid crystal display panels (5R, 5G and 5B) to modulate color rays of light (R, G and B) corresponding to three primary colors (red, green and blue), respectively, on the basis of video data and a synthesizing prism (6) to synthesize the color rays of light (R, G and B) modulated by the liquid crystal display panels (5R, 5G and 5B) into one image. The liquid crystal display panel (5G) which provides an image inverted in relation to those provided by the liquid crystal display panels (5R and 5B) is aligned in a direction (X2) different from those (X1) in which the liquid crystal display panels (5R and 5B) are aligned, so that the alignment directions (X1 and X2) of the liquid crystal display panels (5R, 5G and 5B) will be coincident with each other in an image displayed on a screen (S). Thus, color staining can be prevented from taking place on the image resulted from synthesis of the color rays of light modulated by the liquid crystal display panels (5R, 5G and 5B).

FIG. 5