

ABSTRACT OF THE DISCLOSURE

Each of imaging optical systems has a post-lens system having a front focus at a position of a rear focus of a pre-lens system. Each of the optical axes is set in a direction normal to the optical axes of optical fibers and different from the normal direction to a placement surface of the optical fibers. Each of image pickup planes of CCDs is inclined relative to the optical axis of the imaging optical system so that the longer an object distance of each optical fiber among the optical fibers, the shorter an image distance thereof, and each image pickup plane is located in parallel to the optical axes of the optical fibers.

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