

ABSTRACT

DICHROIC MIRROR ARRAY AND LIGHT DETECTING DEVICE

In a right-handed XYZ coordinate system, a dichroic-mirror array of the present disclosure includes a first group in which m ($m \geq 2$) dichroic mirrors DA1 to DAm are arranged parallel to each other along a positive direction of an X axis and a second group in which n ($n \geq 2$) dichroic mirrors DB1 to DBn are arranged parallel to each other along a negative direction of the X axis. Incident surfaces of the DA1 to DAm and incident surfaces of the DB1 to DBn are perpendicular to an XZ plane. A slope of straight lines with normal lines of the incident surfaces of the DA1 to DAm projected onto the XZ plane are negative, and a slope of straight lines with normal lines of incident surfaces of DB1 to DBn projected onto the XZ plane are positive.

Figure 1