

ABSTRACT

An integrated smart sensor device, which is installed on one of a fixing pole standing on a ground or a bottom surface of facility, a fixing arm extending from the fixing pole in a horizontal direction, or a lighting device installed on the fixing arm and in which a plurality of sensors are installed, according to an embodiment of the present invention includes: a base; a main substrate which is disposed on one surface of the base and on which a plurality of electric components are mounted; a sensor substrate disposed on one surface of the main substrate; an infrared sensor assembly mounted on the sensor substrate and including a plurality of infrared sensors configured to detect movement of an object; a housing coupled to an edge of the base to accommodate the main substrate and the sensor substrate; a lens cover coupled to one side of the housing and having a hemispherical shape in which a plurality of lens arrays are provided; and a hemispherical divider disposed between the lens cover and the infrared sensor assembly so that infrared rays passing through the plurality of lens arrays are focused to be divided to the plurality of infrared sensors.

【Fig. 5】