

ABSTRACT

The present invention provides a data processing method and system for a spectral sensor, a medium, and a device. The method includes: data obtaining: obtaining a reflection signal or an excitation signal generated when an imaging area is irradiated by
5 light; light filtering: generating a mosaic image from the obtained reflection signal or excitation signal by a periodic pixel-level light filtering structure provided on a sensor surface; and processing: based on a testing point candidate area and a reference point candidate area pre-divided in the imaging area, respectively selecting a testing point and a reference point from corresponding positions in the mosaic image, and respectively
10 calculating spectral data of the testing point and spectral data of the reference point.

[Fig. 9]