

ABNORMALITY DETECTION METHOD, APPARATUS, AND DEVICE FOR UNMANNED CHECKOUT

ABSTRACT

5 Embodiments of the present specification provide an abnormality detection
method, apparatus, and device for unmanned checkout. In some embodiments of the
present specification, a photographing area for unmanned checkout includes at least a
depth camera of a detection area, and one or more people that enter the detection area
can be detected by using image data obtained from the depth camera. Because the
10 image data includes a depth image and an RGB image, and the detection area is an
area for detecting a to-be-paid product, at least the depth image and the RGB image
can be used to determine whether the quantity of the one or more people in the
detection area is abnormal or the gesture of the one or more people is abnormal, and
further determine whether to notify a central control system to stop product detection
15 and trigger an alarm, so as to avoid a loss caused by an abnormality to a customer or a
merchant.

FIG. 1