

ABSTRACT

ENVIRONMENT MONITORING INTEGRATION CABINET AND SYSTEM THEREOF

The present invention provides an environment monitoring integration cabinet and a system thereof.

The system comprises a cabinet, an environmental control host, electric appliances, sensing modules and camera modules. The cabinet comprises a server, a centrifugal chiller and a heat exchange mechanism, and the centrifugal chiller and a heat exchange mechanism can assist the server and the environmental control host to dissipate heat and operate stably. The electrical appliances are controlled through a control unit of the environmental control host, and the carbon emissions of the electrical appliances in use are calculated according to internal data of the electrical appliances. The sensing module is used to sense surrounding environment to generate detection values, and the control unit performs analysis and calculation to generate calculation values. The camera module captures the environmental image of the surrounding environment and performs analysis and calculation through the control unit.

Figure 5