

CCTV SECURITY SYSTEM AND METHOD THEREFOR

ABSTRACT

The present invention provides a secure device adapted for CCTV network having a plurality of CCTV camera and a CCTV recorder. The secure device comprises
5 a communication module having a socket for locally connecting to the CCTV camera or the CCTV recorder to transmit data over a communication network; a microprocessor acts as a control unit for the secure device and handling the data flow; an FPGA chip operationally encrypting/decrypting the data; a secure element for handling key diversification for encrypting/decrypting the data by FPGA chip. The secure device is
10 connected locally to the CCTV camera or CCTV recorder, operationally, encrypting/decrypting data transmitting through the communication network, such that the data is end-to-end encrypted across the CCTV network by the secure device. There is also provided a surveillance system and method therefor in present invention.

15 FIG. 5