A STANDALONE REMOTE SURVEILLENCE SYSTEM AND A METHOD OF OPERATION THEREOF

ABSTRACT

The present invention discloses a standalone remote surveillance system [100] which continuously monitor any change in the surrounding environment including visual, sound, and vibration surrounding the surveillance area in 360-degree directions and transmit real-time visual data along with alert data upon detection of anomalies in respective surveillance area. The said system [100] comprising: plurality of surveillance towers[1a,1b,1c,1d,1e,1f] fixed at a pre-defined distance from one another for monitoring anomalies in respective surveillance area, one or more repeaters[2a,2b], in which each of the of surveillance towers[1a,1b,1c,1d,1e,1f] comprises a pair of cameras [4a,4b,4c,4d,4e,4f] [5a,5b,5c,5d,5e,5f], at least two vibration sensors [6a,6b,6c,6d,6e,6f] [7a,7b,7c,7d,7e,7f], a controller[8a,8b,8c,8d,8e,8f] with a GPS module[16a,16b,16c,16d,16e,16f] and a memory unit[9a,9b,9c,9d,9e,9f], a wireless transceiver module [10a,10b,10c,10d,10e,10f] and a power supply unit [11a,11b,11c,11d,11e,11f].

Figure 1 & 3