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Abstract:

DESIGN OF DATA COLLECTION SYSTEM BASED ON IOT FOR COORDINATION OF DRONES AND UNMANNED SURFACE VEHICLES (USV) A method in one instance, a data system with a computer placed distant from the data collection terminal and a data collection terminal equipped with an encoded information reader device is made one implementation, the data collection terminal can be set up to respond to configuration data specified in an extensible markup language. A vehicle steering system rack, a pinion, and a steering column is one of the monitoring systems for data collecting in a vehicle; a plurality of input sensors, each of which is operationally connec rack, the pinion, or the steering column and is communicatively connected to the data acquisition circuit, each of which is structured to interpret the plurality of detec each of which corresponds to at least one of the plurality of input values; a timer circuit designed to produce at least one timing signal. A list of requirements for a 3D produced is specifically obtained at a central controller. A USV trained in this disclosure may navigate securely in a collision avoidance environment with a swarm of u surface vehicles and realize intelligent collision avoidance, according to simulation and verification of the disclosure. FIG.1

Complete Specification

Description:DESIGN OF DATA COLLECTION SYSTEM BASED ON IOT FOR COORDINATION OF DRONES AND UNMANNED SURFACE VEHICLES (USV)
Technical Field
[0001]   The embodiments herein generally relate to a method for design of data collection system based on IOT for coordination of drones and unmanned surface vehicles (USV)
Description of the Related Art
[0002]   The bar code reading terminal transmits relevant bar code data as well as image data to a distant computer. Decoded bar code message data identifying a is saved in an open byte header location of an image file that contains an image representation of the parcel in one combined bar code/image data transmission te that is disclosed in the patent application publication linked above. Historically, batches of data have been sent back to a central office for analysis. This analysis has included signal processing on the data gathered by various sensors as well as other types of analysis. The analysis can then be used as a foundation for diagnosing in an environment and/or offering solutions to improve operations. Numerous products, including wireless computer networks, model cars, and baby monitors, to a few, use this frequency. When there are lots of conflicting wireless signals in an area from densely populated homes and/or office buildings, difficulties may arise.
[0003]   The process of setting up terminal radio transceivers for use in a particular network has thus been observed to be delayed or avoided by users of data coll terminals, who instead operate their terminals for extended periods of time in batch mode or serial hardwire connection mode despite the availability of wireless connectivity. In order to provide better monitoring, control, intelligent problem diagnosis, and intelligent operation optimization in a variety of heavy industrial environments, there is a need for improved methods and systems for data collection in industrial environments. Fly aways are attributed to human error by manufa

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