Abstract

In view of the development of modern medical technology, we use LabVIEW software as a platform to design a kind of remote heart monitoring system. This monitoring system has realized the fetal heart rate data collection, transmission and storage. Using the network technology to connect the hospital center server, the system can check detection records, analyze and print the diagnosis in real-time, reach the aim of remote monitoring. Most functions of the system will be realized by software instead of traditional detection hardware, which will not only greatly reduce the cost of development but also improve the development efficiency.

References

Design of Remote Fetal Heart Rate Monitoring System based on Virtual Instruments

- Kai Yang, Hanjun Jiang, Zhihua Wang, etc. The Fetal heart rate monitoring system with mobile Internet [J]. Journal of Circuits and Systems (ISCAS), 2014:443-446

Index Terms

Computer Science
Software Engineering

Keywords

Virtual instrument; Fetal heart rate detection; Remote monitoring; Software design; Database.