

ABSTRACT

A companion interactive intelligent health care system is provided. The system includes a multifunctional intelligent medicine box, a companion interactive intelligent robot, and an intelligent display processing terminal. The multifunctional intelligent medicine box is used to display the name and dosage information of medicine, indicate the location of the medicine, and record the medication information. The companion interactive intelligent robot integrates voice, expression, and action, and is used to remind the user to take medicine on time and in dosage through multiple sensory interactions, provide emotional companionship, and remote calls with family members. The intelligent display processing terminal is used for system software operation, data acquisition, storage, and analysis, remote viewing, and monitoring of user medication records. The present invention also provides an intelligent medication management method based on the above-mentioned companion interactive intelligent health care system, which has a wide range of application scenarios.