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(57) Abstract :
In this invention, an augmented reality (AR) system is proposed to monitor in real-time the patient's vital parameters during surgical procedures. This system is characterised metro- logically in terms of transmission error rates and latency. These specifications are relevant to ensuring a real-time response. The proposed system automatically collects data from the equipment in the operating room and displays them in AR. The system was designed, implemented and validated experimentally through experimental tests carried out using AR glasses to monitor the output of a respiratory ventilator and a patient monitor, which are instruments that are generally present in an operating room.

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