Towards Contact-less Vital Sign Monitoring using a COTS Resource-Constrained Multi-Core System - an experience report -

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ISORC, Valencia, Spain, May 7th, 2019

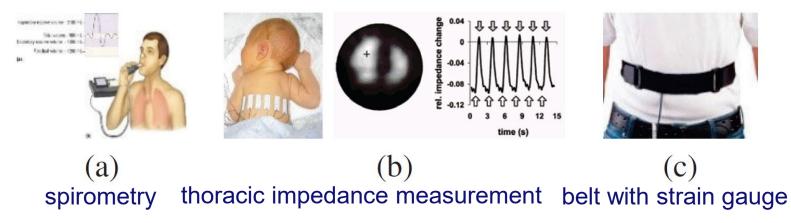
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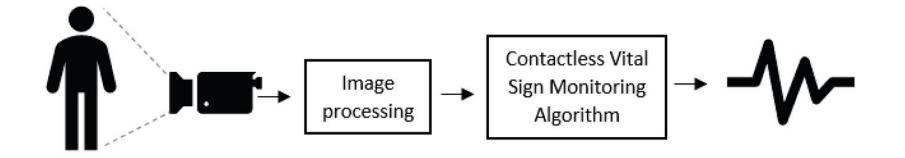
Traditional respiration monitoring techniques



- Problem:
 - Traditional contact-based vital-sign monitoring is prohibitive for neonatal and burn care.
- Approach:
 - Contact-less vital-sign monitoring.



Contact-less vital-sign monitoring



- Business goal of Philips Healthcare:
 - Make products available for the consumer market.
- Challenge:
 - Cost-effective processing using COTS cameras and resource-constrained multi-core systems.

