

Design and Development of a Low Cost Video Bronchoscope

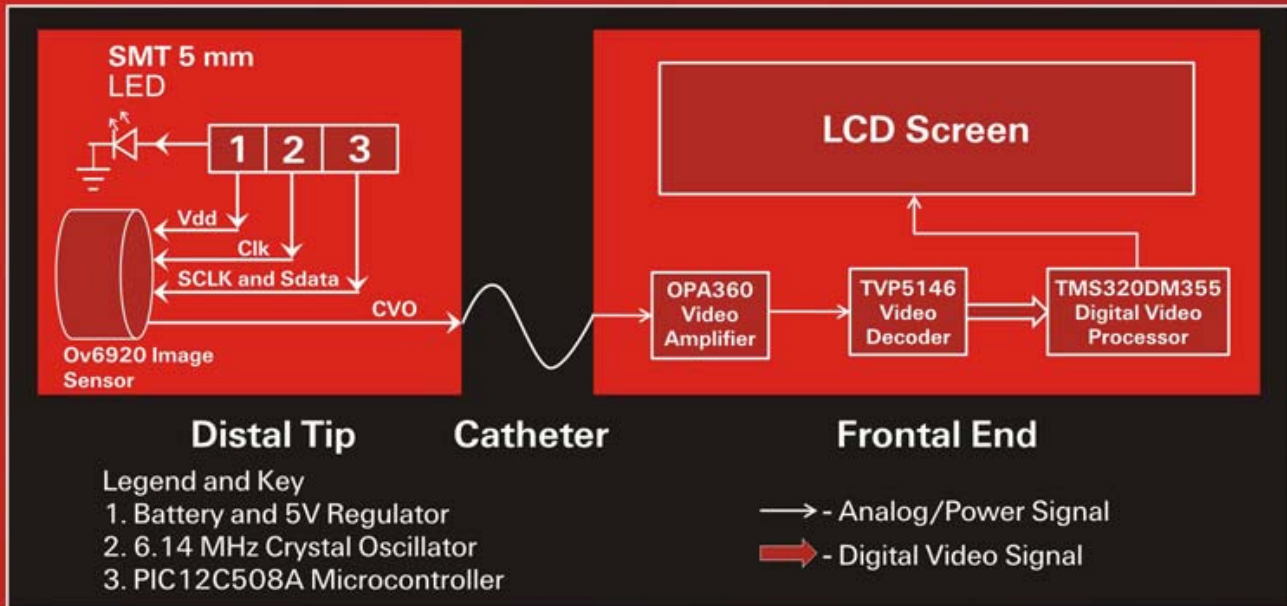


Device used for viewing the inner respiratory system
Uses: Endoscopic Surgery & Administering Anesthesia.



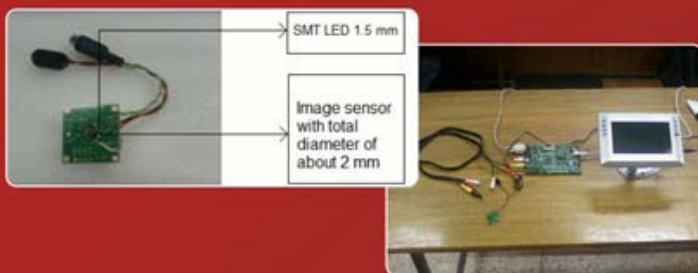
Various Components used

- >> OV6920- CMOS Imaging Sensor
- >> OPA360- Video Amplifier
- >> TVP5146- Video Decoder
- >> TMS320DM355- DaVinci Digital Video Processor



Salient Features

- >> Eliminates the need of the fiber, which leads to lot of difficulties caused due to the breaking of the fiber
- >> Simple construction minimizing the cost and failure rate
- >> Portable, the doctor can carry it to the patients destination
- >> Some advantages are low cost and very small size, the effective size of the moscamera chip is 1/18th of an inch
- >> Comes with a handy LCD screen which can be used for navigation and for viewing the inside of trachea



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TI India Analog Design Contest

