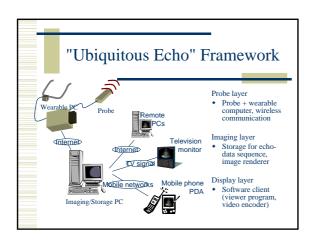
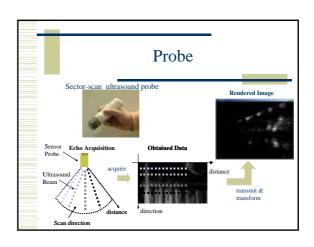
## Tele-Echography System in Ubiquitous Networking Media Environment [For COE technical presentations, 2004.1028] Yasushi Masuda Visual Media Project Image Processing Laboratory

## Background

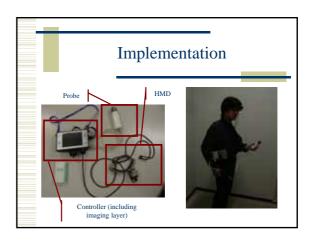
- Although the transmission tequiques for echography images over the Net (tele-echo) are being deployed in practical medical application, they are still bound to hospital for their complexity.
- For home-visit medicine or emergency medicine, more <u>compact</u> and <u>distributed</u> tele-echo framework should be required.

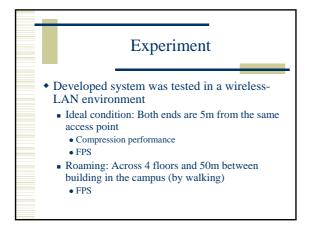


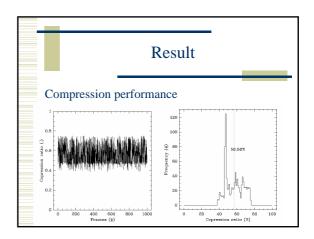


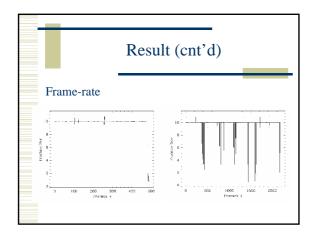
## Transmission

- Media: WirelessLAN(IEEE 802.11b), TCP
- Compression: Frame-wise (75lines by 508 samples/frame), Loss-less (GZIP algorithm)
- ◆ Image sequence: 8bit/sample, 75 lines × 508 sample, 10frames/sec (3.048Mbps)











## Discussion Under ideal condition, transmission was successful with almost constant delay Application for home-visit medicine will be possible. Using loss-less compression of source signal, it is possible to send clear ultrasound image in realtime.

