

Omni-directional Video Contents

Stored video contents

- ✓ High-resolution omni-directional videos
- impossible to encode and transfer in real-time ✓ For on-demand-service

Live video contents

- ✓ Standard-resolution omni-directional videos possible to encode and transfer in real-time
- ✓ For providing service like TV broadcasting

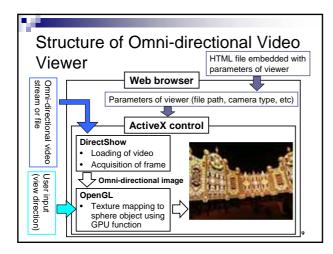
Omni-directional Video Viewer

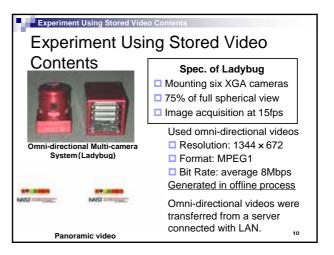


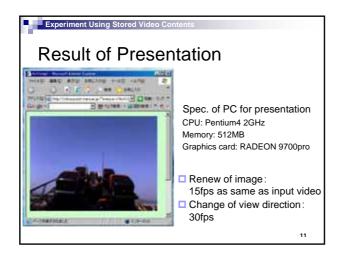
- Auto installation and execution by access of web page
- Interactive view control using keyboard, mouse, or gyro

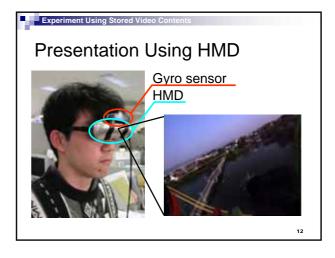
8

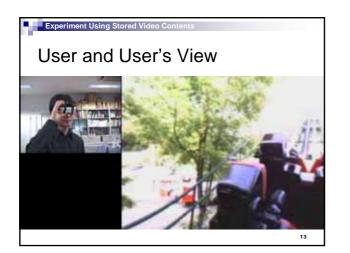
Nothing to take care of parameters of viewer

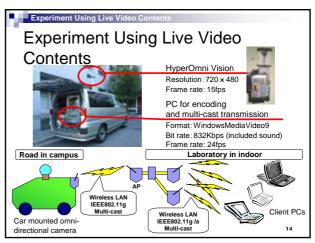


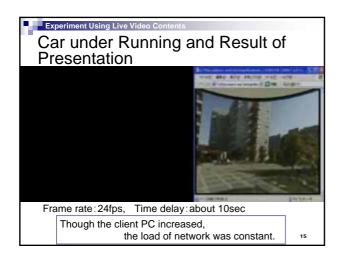














Summary and Future Work Summary We proposed a system for seeing the omni-directional video contents easily and interactively through the internet connected PCs. In experiments, the users could see high-resolution videos stored in a server and live videos distributed by multi-cast protocol. Future work Reduction of the delay in transmitting an omni-directional video stream Novel view generation using multiple images from fixed cameras for changing user's view point