HITACHI
Inspire the Next

W3C Web on TV workshop

Hitachi's network TV and view point on the workshop

2010/09/03

Hitachi, Ltd Consumer Electronics Laboratory
Network System Technology Research Dept.

Katsuhiko Kageyama

Hitachi Digital TV "Wooo"

XP, HP and UT series support video recording.
All main series support DLNA, acTVila and the
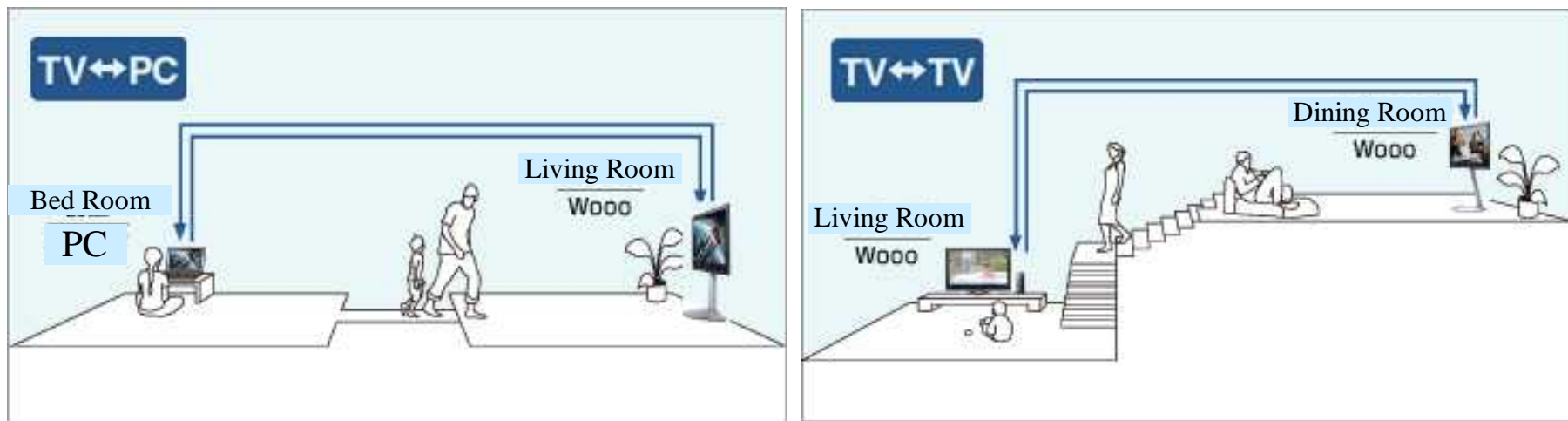Hitachi portal site (Wooonet).

H Series

XP Series

HP Series

UT Series

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Wooo has DMP and DMS capabilities.

A user in one room can watch video recorded on Wooo in another room.

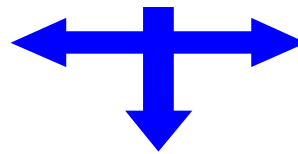They do not need an additional video recorder.

Wooonet is a portal site for Hitachi TVs.

Connecting to the Internet

Internet

Yahoo!Japan

Search web sites

Yahoo! Douga
(Movies)

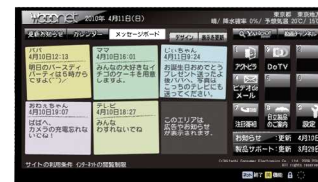**You can send movies and photographs to TV**

acTVila

VOD & Download video service

15,000 Movies

Video de Mail service on Wooonet

Users can send movies that are recorded by user's camera to Wooo like an e-mail.

Message board on a TV

Message board on a mobile phone

User name

Posting time

Message

Wooonet

Wooo

Mobile phone

Users can share the message board.

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We would like to discuss the following view points on the workshop.

1. The requirements for extensions of the existing standards and hardware.
2. How to control devices such as TVs.
3. Developing TV software efficiently based on the standards.
4. Collaboration with other consumer electronics devices.

1. The requirements for extensions of the existing standards and hardware.

A Web TV may need new hardware; keyboard, mouse, etc.
A rich web application requires more computing power, memory and storage.
e.g., Canvas, Rendering Ruby, Web Storage, etc.

2. How to control devices such as TV.

Some APIs will be needed for a browser to control a TV.
e.g., TV channel control API, Program guide information API, etc.

3. Developing TV software efficiently based on the standards.

For a TV embedded system, development cost is one of the most important issues.
Can we make the development more efficient by using the new Web standard?
e.g., HTML5 and new APIs, Multimodal Web, Model-based UI, etc.

4. Collaboration with other consumer electronics devices.

TV is a key consumer electronics device in a house. Therefore TV is suitable for a controller of other consumer electronics devices.
e.g. TV controls an air conditioner, a fridge etc…

END

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