# IPv6 ShowCase, N+I 2003 Tokyo

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### N+I 2003 Tokyo

- □The largest network show in Japan
  - ○Makuhari, Tokyo
  - o2nd July 4th July, 2003

Ohttp://www.interop.jp/

- □154,389 people visited this year
- □Top 5 keywords of search on the web
  - ○1. IPv6 (21103)
  - **2. VoIP (19554)**
  - **3. Security (18229)**
  - ○4. ShowNet (16806)
  - ○5. SSL-VPN (16208)

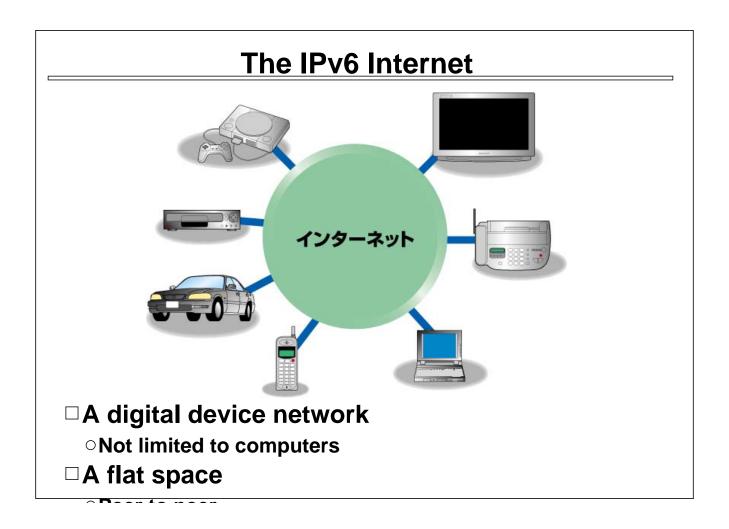
## (4th) IPv6 Showcase

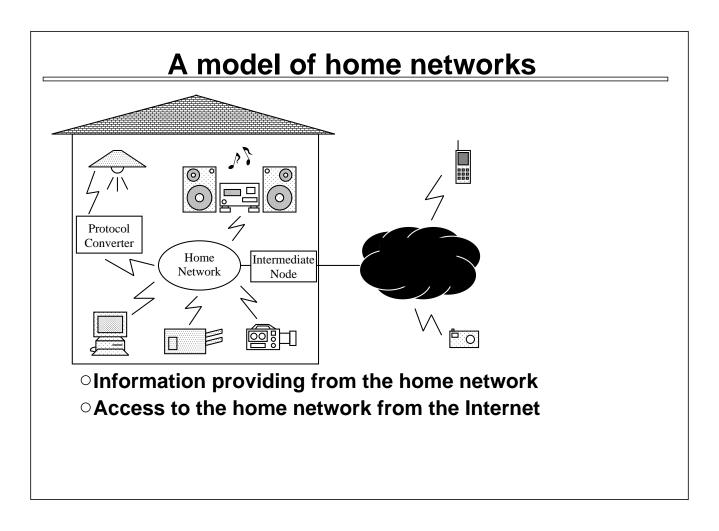
- □Sponsors 10
  - ○Platinum 2, Gold 2, Silver 6
- □ Participants 22
- **□Theme** 
  - **Beyond the net**



**Zones** 

# □ Home network zone ○Home appliances □ Ubiquitous zone ○Mobile IPv6 □ Access network zone □ Network management zone □ Office network zone □ ISP/Data Center zone □ Lab Zone □ Web camera zone



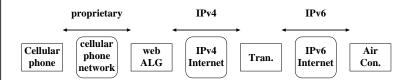


# WLAN digital camera (SANYO)

- □ A digital camera with a wireless LAN card
  - oinstead of CF
- □Usage
  - Storing pictures to an image server
  - Sending an picture directly to a printer
  - ○Video chat
    - ▶ with a microphone and a speaker



### Controlling an air conditioner







- ○Cellular phone AU
- Translator operation KDDI
- OAir conditioner National

# **Controlling a HDD recorder**

- □ Feel6 (Freebit)
  - ○IPv6 over IPv4 tunnel broker
  - OA temporary solution against the weakest link





- **Cellular phone NTT DoCoMo**
- **OTranslator operation Freebit**
- **OHDD** recorder SONY

### Web camera

- □ CEC/Panasonic/NEC
  - ○Controlling the cameras
  - Receiving video streaming





### **Cellular Phone and Mobile IPv6**

- □ Cellular phones at present
  - ○The frequency range is limited
  - The number of users is increasing
- □PHS and WLAN have been widely deployed
  - OHigh-speed and broad bandwidth
- □ Cellular phones in the future
  - Choosing best communication media => IP
    - ⊳e.g. WLAN in a city
    - ⊳e.g. Cellular channel in mountain
  - OMany users => IPv6
  - ○Mobility => Mobile IPv6

### KAME + USAGI





- □ Advantages of Mobile IPv6
  - Media independency
    - ▶100BaseTX
    - **⊳WLAN**
  - A long session
  - Accepting a session
    - **⊳Without dynamic DNS**

