IP application products of home network in broadband environment

Mikio Mizutani
Panasonic communications Co., Ltd.

21・Feb・2005
APRICOT 2005 in KYOTO
Corporate Identity

People and Society to the future.

Panasonic Communications Co., Ltd.
See our “IPv6 ready Logo products”

Network Camera

Logo ID: 01-000177
- BB-HCM311
- BB-HCM311A
- BB-HCM311CE
- BB-HCM311E
- BB-HCM331
- BB-HCM331A
- BB-HCM331CE
- BB-HCM331E

Logo ID: 01-000235
- BB-HCM371
- BB-HCM371A
- BB-HCM371CE
- BB-HCM371E

Logo ID: 01-000241
- BB-HCM381
- BB-HCM381A
- BB-HCM381CE
- BB-HCM381E

Logo ID: 01-000120
- KX-HCM180v6 (Prototype)
Logo ID: 01-000154
- KX-HCM280v6 (Prototype)

Logo ID: 01-000153
- BB-HCM130v6 (Prototype)
Logo ID: 01-000152
- KX-HCM230v6 (Prototype)

Camera Control Unit

Logo ID: 01-000209
- BB-HGW502
- BB-HGW700A
- BL-BR30

Others

Logo ID: 01-000176
- KX-CL500-V6
  - A4 Color Printer (Prototype)

Logo ID: 01-000200
- KTR5
  - IPv4-IPv6 Translator (Prototype)

Color laser printer

http://cf.v6pc.jp/logo_db/approved_list.php
Our products speak IPv6

Indoor Type
Pan Tilt
BB-HCM311

Indoor Type
Pan Tilt Zoom
BB-HCM381

Outdoor Type
Pan Tilt
BB-HCM331

Outdoor Type
Pan Tilt Wireless LAN
BB-HCM371

Monitoring kindergarten

Monitoring parking lot

Monitoring宠物店

Monitoring工厂或仓库

These products speak IPv6 and IPsec!
Our products speak IPv6

Wireless LAN
Camera Control Unit
BB-HGW502

This product speaks IPv6 + IPsec!

Router/WiFi
Plug&Play

Wireless LAN
Bridge
BB-HGA102

16 windows are available

IEEE802.11a/b/g

Internet
Monitoring kindergarten (FUKUOKA)

Monitoring parking lot (OSAKA)

Monitoring factory (OSAKA)

Monitoring Temple (KYOTO)

Wireless!

Pan & Tilt!

Waterproof!

With Voice!
Monitoring by TV

Monitor for safety and communication

Network Camera
TV-Adapter
TV

Monitor for safety and communication

Wireless LAN
Video line

BL-WV10
Miemasu.net service (dynamic DNS)
### IPv6 network services (Commercial based)

<table>
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<th>Companies</th>
<th>IPv6 Native</th>
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<th>IPv6 Tunneling</th>
<th>Note</th>
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<td>Commercial</td>
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<td>/48</td>
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<td>Gate way</td>
<td>Commercial</td>
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<td>/48</td>
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<td>Commercial</td>
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<td>---</td>
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<tr>
<td>NTT West</td>
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<td>Nihon Unisys Information Systems</td>
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<td>Commercial</td>
<td>/48</td>
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</tbody>
</table>
Home Network = Today =
Wiring at my house

Condominium

100M bps

VDSL DSLAM

1G bps

IP-line

Composite

TEL-line

RF-line

S-video

Ir-link

My house

My Room

10baseT

TEL

FAX

TEL-line

RF-Out

RF-in

CATV line

Out-1

IN-1

IN-2

IN-3

IN-4

Game

Living room

My house

IN-5

TEL

RF-in

Digital TV

VHS Recorder

DVD HDD Recorder

TV-Adapter IP-STB

IP-Camera

HGW

PC

CATV Digital-STB

1G bps

VDSL Modem

10baseT
It is complex and the Dark Continent!
Home Network

=Power Line =
PLC (Power Line Controller)

- CAT-5 wiring
- Wireless LAN
- Power line

IP Products

Room-1
Room-2
Room-1
Room-2
Room-1
Room-2

Wall
Wall
Wall

Ordinary!
Good!
Excellent!
# Comparison table of network technology

<table>
<thead>
<tr>
<th>Technology Item</th>
<th>PLC HD-PLC</th>
<th>Wireless LAN IEEE802,11a/g</th>
<th>Coax Network C-link</th>
<th>Ethernet 100baseT</th>
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</thead>
<tbody>
<tr>
<td>Physical speed</td>
<td>190+Mbps</td>
<td>54Mbps</td>
<td>&lt; 300Mbps</td>
<td>100Mbps</td>
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<tr>
<td>Convenience</td>
<td>Excellent !</td>
<td>Good !</td>
<td>Wiring is necessary</td>
<td>Wiring is necessary</td>
</tr>
<tr>
<td>Distance of possible to use</td>
<td>About 150m</td>
<td>About 10m</td>
<td>In-house</td>
<td>&gt; 100m</td>
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<tr>
<td>Security</td>
<td>High</td>
<td>Average</td>
<td>High</td>
<td>High</td>
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<tr>
<td>Cost</td>
<td>?</td>
<td>?</td>
<td>?</td>
<td>?</td>
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Thank you for your time · · ·