Let’s Enjoy Teleconference!

Technical tips for local instrumentation using DVTS

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Methods for Teleconference
Using Polycom ViewStation

- Popular in the world
- Easy operation
- Good at voice communication

- Expensive equipments
- Not so good at image transmission
Using DVTS

- Simple configuration and easy operation
- Low in price of equipments
- Good at image transmission

- Needs of high-speed Internet (30Mbits/s ~)
- Difficulty in voice handling
Teleconference with DVTS
Simplest configuration

DVTS software can be downloaded at:
http://www.sfc.wide.ad.jp/DVTS/software/win2000/setup-0.0.1-1.exe
## Notes

<table>
<thead>
<tr>
<th>Items</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Network</strong></td>
<td>• Over 30Mbits/sec end-to-end available network speed</td>
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<td></td>
<td>• Static global IP address</td>
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<td></td>
<td>• Ask administrators in each organization</td>
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<tr>
<td><strong>PC</strong></td>
<td>• The faster CPU, the better for DVTS</td>
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<td></td>
<td>• Advanced graphics ability</td>
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<td></td>
<td>• Not recommendable internal chip sets graphics function integrated such as i815, i845G etc.</td>
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<tr>
<td><strong>DV Camcorder</strong></td>
<td>• Not recommendable using built-in microphone (such microphone is too sensitive)</td>
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<td></td>
<td>• External microphone is better</td>
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<tr>
<td><strong>Microphone</strong></td>
<td>• Uni-directionality</td>
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<td>• Low sensitivity .... to avoid acoustic feedback</td>
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</table>
Advanced configuration

- DV Camcoder
- PC (for presentation)
- DVTS PC (for sending)
- DVTS PC (for receiving)
- Scan Converter
- S-Video
- D-sub 15pin
- IEEE1394
- UTP(Ethernet)
- Hub/Switch
- Microphones
- Speaker
- Projector (for sending monitor)
- Audio
- D/A Converter
- Audio Mixer
- Audio
- S-Video
- Projector (for receiving)
Audio mixer settings

- Using two internal buses separately
- Adjusting per channel level to avoid feedback
Audio mixer settings sample

From microphones  From remote site  To remote site  To main speaker
Sample Pictures

Devices for teleconference

View of teleconference
About Today’s Teleconference
20th APAN Meetings Medical Teleconference
(5-points logical connection image)
◆ System configuration image

Handling video output image.
(Full screen / 4 split screens)

Controlled by any web browser

Internet / Research Net.

【 Kyushu University 】

DV QualImage System (4ch DVTS Multiplexer)

Output monitor line

DVTS (WIDE PC) (receive only)

Sony PCS-1

【 National Cancer Center, Tokyo 】

DVTS (WIDE PC)

【 Tsinghua Univ., Beijing 】

DVTS (WIDE PC)

【 Kyushu Univ. Hosp., Fukuoka 】

Comet DVTS

【 Howard Plaza Hotel, Taipei 】

DVTS (WIDE PC)

Input

Full screen / 4 split screens

DV Camera
Display or Projector

DV Camera
Display or Projector

DV Camera
Plasma Display

DV Camera
Display or Projector
Thank you for your kind attention!

*Please enjoy teleconference!*