

4. DVTS Setup

DVTS (Digital Video Transport System) is software developed by “WIDE Project” from 1998 that can transfer Digital Video (DV) signal through IP networks. Recently, versions of DVTS have been developed for different operating systems and released as freeware.

DVTS provides a high quality, low cost movie transfer system with video cameras connected to PCs by an IEEE 1394v cable and broadband network.

4.1 Download of DVTS installer

The DVTS installer is released at the URL below.

<http://www.sfc.wide.ad.jp/DVTS/index-j.html>

DVTS for Windows 0.0.2 (Development build) is the latest version for Windows XP as of October, 2008.

This installer includes DVTS for HDV (DV format for High Definition).

See each icon carefully to use the correct version of DVTS

4.2 Setup of DVTS

1) Installation

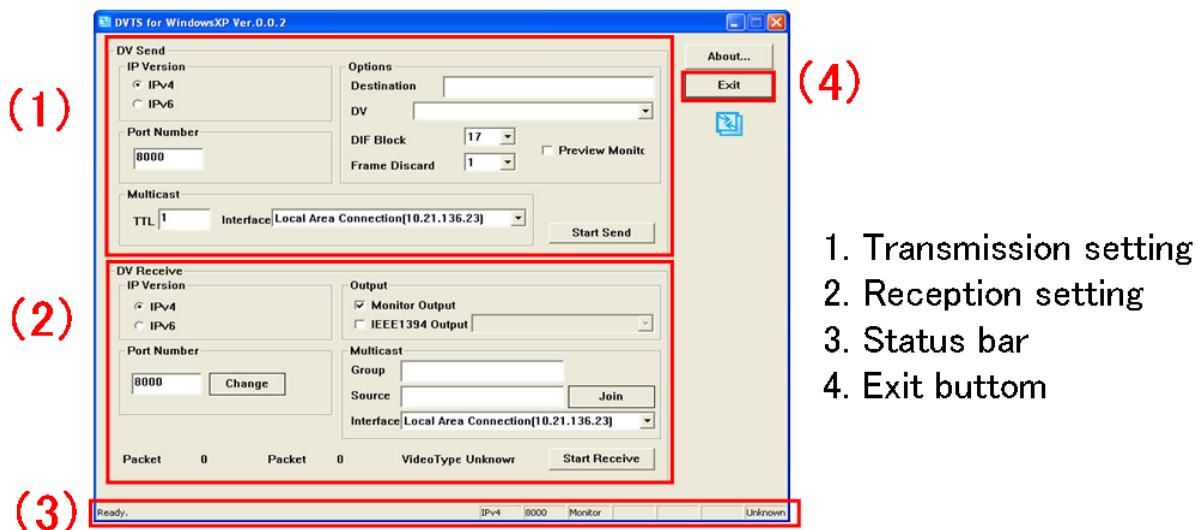
Click the DVTS installer icon and follow prompts to install software.

After installation three icons appear on your desktop as below. The two icons on the right are for HDV so do not use them this time.



2) The following setup window is displayed when you run DVTS software.

DVTS settings window



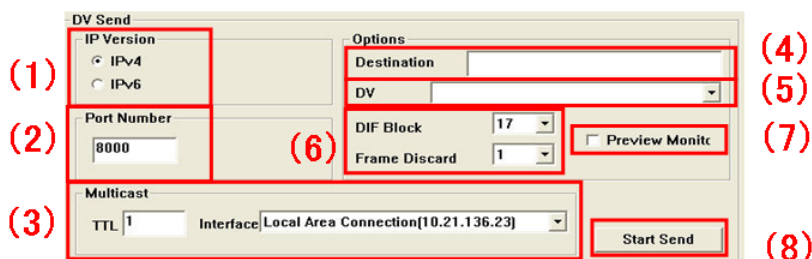
1) Transmission setup.

Input IP address for destination at (4) and select DV device at (5).

Check preview monitor at (7) and push “Start send” at (8) to start sending.

Default port No is 8000 and there is need change the settings at (1, 2, 3, 6)

Transmission setup



- | | |
|----------------------------|----------------------------------|
| 1. IP version (IPv4 or v6) | 6. DIF Block (No need to change) |
| 2. Port Number | Frame Discard |
| 3. Multicast | (change frame rate to 1/x) |
| (Do not use usually) | 7. Preview Monitor |
| 4. Destination IP address | 8. Start/ Stop Send button |
| 5. DV device select | |
| (appear at connection) | |

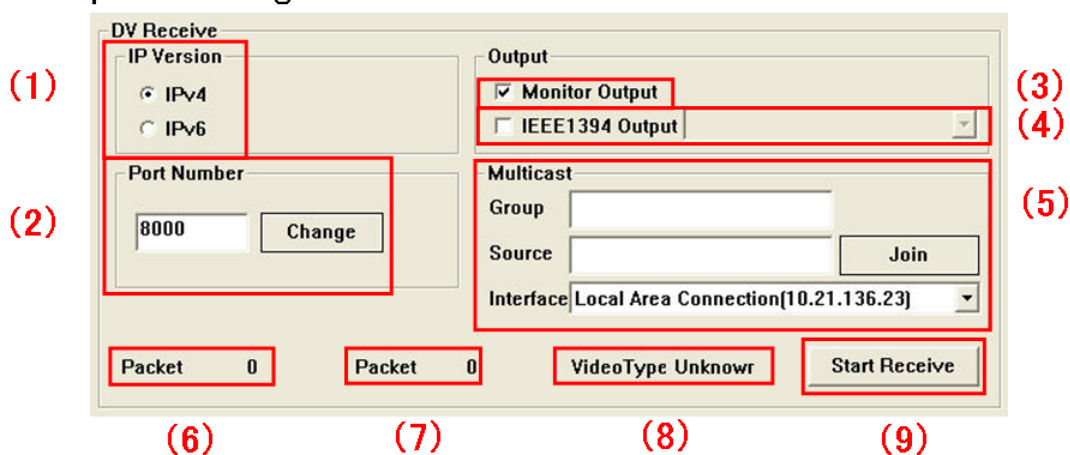
DV device select at (5) and “Start Send button” at (8) do not work unless the DV device has been detected by the PC.

The following window appears if you connect a DV device and the PC detects the device correctly. (for Windows XP)



4) Reception setup

Reception setting



- | | |
|---|--|
| 1. IP version (IPv4, v6) | 5. Multicast setting |
| 2. Port number | 6. Receive packets number (approx. 2700) |
| 3. Monitor output
(appear reception image on PC) | 7. Packets lost number |
| 4. IEEE1394 Output
(selectable with another DV device) | 8. Signal type (NTSC/PAL) |
| | 9. Start/ Stop Reviue |

Check Monitor output at (3) and push “Start Receive” at (9) to start receiving.

Use port No 8000 (default) unless there is reason for some other assignment.

“IEEE1394 Output” at (4) is used for exporting the DV stream to the DV device connected at the port.

You have to prepare another DV device for the reception PC. (it is impossible to share the DV device connected to the transmission PC).