

# Network Utility

## Software Guide

Network Utility can transfer videos in the camcorder to the computer via Wi-Fi (wireless LAN) instead of connecting USB cable. You can import video files directly from the camcorder to the computer and upload them to SNS.

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### ■ How to use this guide

- This guide does not mention basic operations of Windows Operating System. Menu selection and window operations are based on general operation procedures of Windows Operating System.
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- Illustrations in this guide show screen captures of the software under development. They may be different from the actual software.
- Symbols used in this guide stand for the following meaning.

Symbol	Meaning
	Clicking this symbol returns to the top page.
	This symbol indicates an important notice regarding the operation.

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# Precautions

## ■ Notes for operation

- Network Utility requires a wireless LAN network environment (Wi-Fi).
- If you installed firewall software other than Windows firewall, permit to use the following protocol and port.

UDP 1900
TCP 2869
TCP 50103 - 50107

- The installation of Network Utility follows after that of VideoBrowser.
- In Windows 7, a message regarding the compatibility of the program appears if you canceled the installation in the halfway. Click [Cancel] in this case.
- If recorded and/or edited content includes copyrighted works created by third parties, you are not allowed to use them without notice to the copyright owner except for personal use.
- Use an AC adapter to power a notebook computer.
- Use the compact power adapter to power the camcorder.

## ■ Operating limitations

- When Network Utility is linked with the camcorder, do not re-install, update, or uninstall Network Utility. It results in forced disconnection.
- When Network Utility is linked with the camcorder, do not shut down the computer. The file being transferred may remain in the destination specified in the Preferences.
- Do not log in / log off Windows while the camcorder is linking with the computer.
- Depending on the signal quality of the wireless LAN, it may take time to transfer the data from the camcorder to computer, or the data may not be transferred or saved properly.

- Unicode is not supported in Network Utility.
- You cannot use Network Utility when two or more camcorders/ computers are connecting through a wireless LAN.
- System folders, Windows-only folders, the root directory C:\ and optical drives cannot be selected as the destination to import files from the camcorder.
- For [Destination to save video files] in the Preferences, select a destination whose length is up to 150 bytes long including the directory path.
- For [Workspace] in the Preferences, select a destination whose length is up to 200 bytes long including the directory path.
- It may take time to start Network Utility as the files in the destination folders set in the Preferences increases. This does not cause failures of software operations.
- Disclaimer regarding the YouTube upload function  
When using the YouTube upload function, the number of videos uploaded per hour may be restricted according to YouTube specifications. Also, full operation cannot be guaranteed for future modifications of the YouTube specifications, or for every environment.
- Refer to the following Web site for the latest information about operating limitations.

<http://www.pixela.co.jp/oem/canon/e/>



## Usable videos

### ■ Supported files

Network Utility can handle the following videos:

1. Video files recorded with the CANON camcorder with which Network Utility is bundled.
2. Video files recorded with the CANON camcorder with which VideoBrowser is bundled.
3. Video files recorded with the CANON camcorder with which any of ImageMixer 3 SE in the right box is bundled.

#### ImageMixer 3 SE series

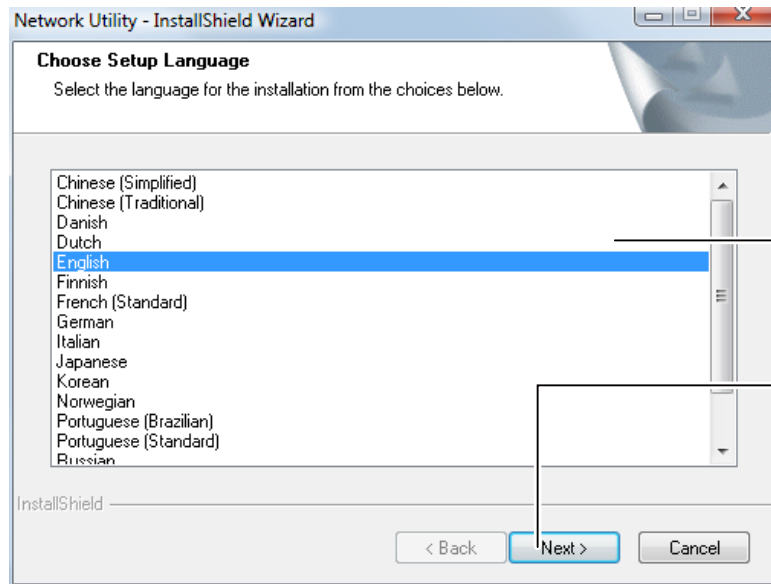
- ImageMixer 3 SE
- ImageMixer 3 SE Ver.3
- ImageMixer 3 SE Ver.5
- ImageMixer 3 SE Ver.6

### ■ Supported format

Article	Import to the computer	Web upload
Standard	AVCHD / MPEG-2 / MP4 / JPEG	MPEG-2 / Windows Media Video / JPEG
File format	H.264/AVCHD (.mts) / MPEG-2 (.mpg) / MP4(.mp4)* / JPEG(.jpg)* * MP4 files and still image files can be saved on the computer, however they are not registered to VideoBrowser.	MPEG-2 (.mpg) / Windows Media Video (.wmv) / JPEG(.jpg)* * Facebook upload only.



Install Network Utility to your computer.

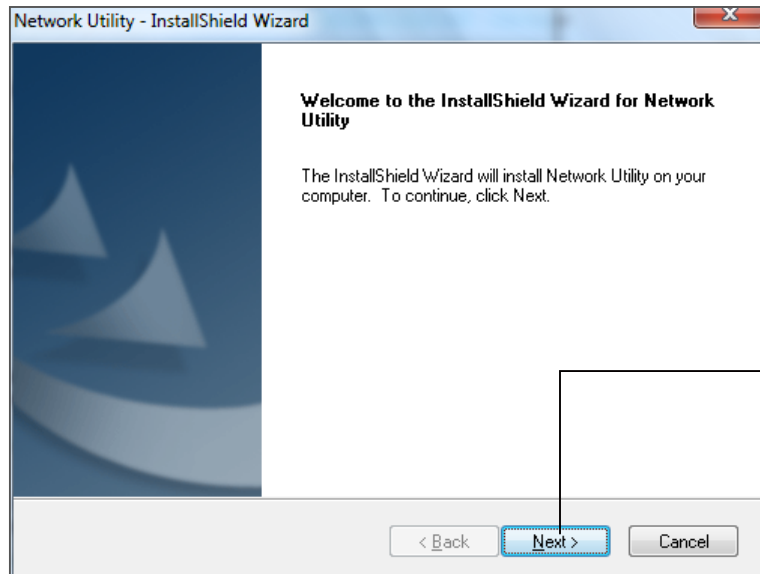


**1** After the installation of VideoBrowser, the installation window of Network Utility will appear. Finish the installation of Network Utility.

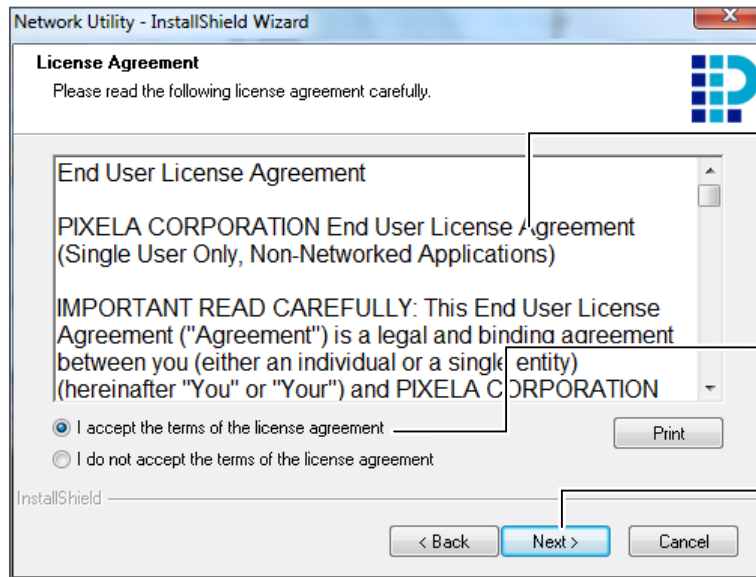
\* An wireless LAN network environment (Wi-Fi) is required to use Network Utility.

**2** Select your language.

**3** Click [Next].



**4** Click [Next].

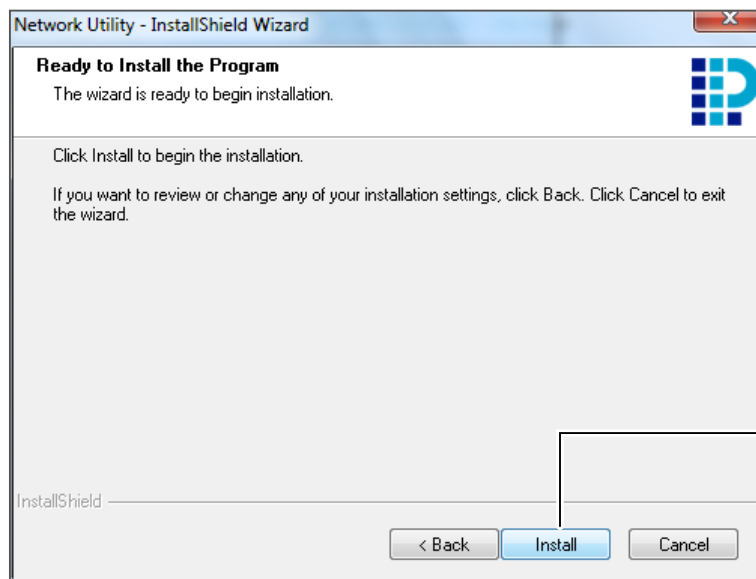


**5** Confirm the License Agreement.

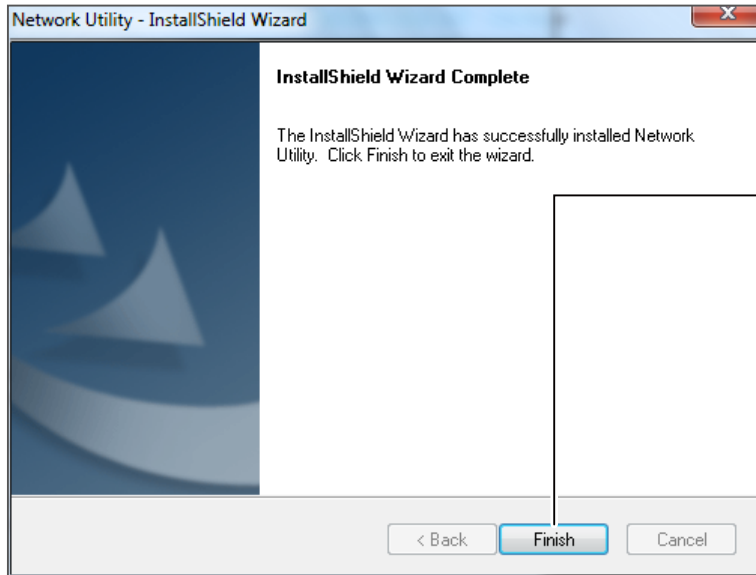
**6** Click [I accept the terms of the license agreement].

\* You may not be able to use this software unless you accept the agreement.



**7** Click [Next].

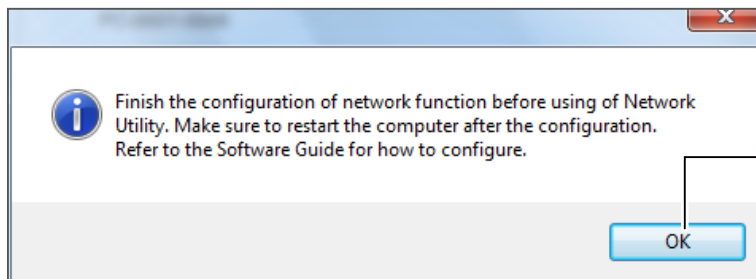
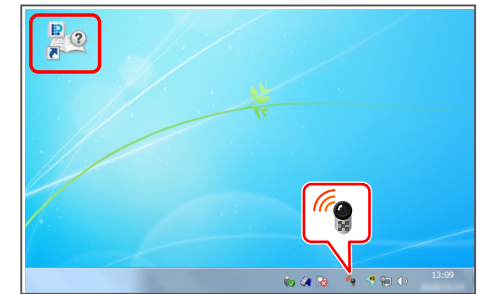


**8** Click [Install].



**9** Click [Finish].

➔ When the installation is completed, the Network Utility icon  is displayed in the task tray and the shortcut icon of the Software Guide  (this document) is placed on the Desktop. After that, following message and the Preferences window will appear.



**10** Click [OK].

Finish configuration of the network setting in the Preferences before using Network Utility. You will need to restart the computer to apply the configuration.



Preferences

☒ Activate Network Utility.  
This configuration will be enabled after restarting the computer.

Network setting | YouTube setting | Facebook setting | Import setting

User information

Account name of this computer:

Password of this computer:

Network information

This computer's name:

Single byte characters of the English alphabet and numbers only.

Network Utility

Network adapter:

PIX 00000 Gigabit Ethernet Adapter

Restart the computer to enable the altered network setting.

Software Guide OK Cancel

## 11 Configure the Preferences.

Refer to P.13 for detail about the setting options. Click [OK] when you finish the configuration.

### ! Enter the password of the user account of your computer

Make sure to enter the computer's password of the network setting. If you have not registered the password yet, register the password in the User Accounts option from the Control Panel of Windows.

Always enter the password for the user account that you are going to use even if you installed Network Utility in a different user account.

## 12 Restart the computer.

You must to restart the computer to apply the configuration.

### ! Check the configuration of Network adapter.

Did you select the same access point for both the camcorder and the network adapter? You cannot connect to the network if the access point is different.

You can change the network adapter later.P.13






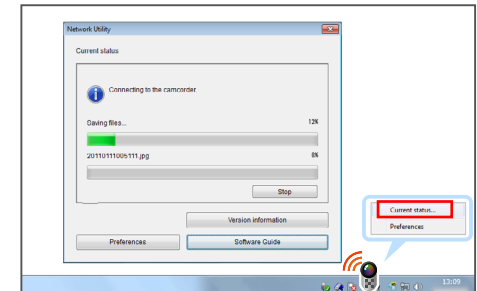
Import the video files in the camcorder to the computer.



## ■ Operate the camcorder to start importing.

You can check the progress by right-clicking the  icon in the task tray and selecting [Current status...]. After importing, the imported files are automatically added to the VideoBrowser's Library when starting VideoBrowser.

Use VideoBrowser for editing or writing the video files.



\* MP4 files and still image files can be saved on the computer, however they are not registered to VideoBrowser.

\* For camcorder operation, refer to the instruction manual of the camcorder.

\* If the  icon is not found, click  (Windows Vista / Windows 7) or  (Windows XP) to show the icon.

\* Close all dialog boxes and setting screens before clicking the icon.

## ❗ If you cannot link the camcorder through Wi-Fi (wireless LAN)

- Check if the password of the computer in the Preferences P.13 is correct. Also, make sure to check the box of "Activate network function."
- Check if the wireless LAN is working properly .
- If you installed firewall software other than Windows firewall, permit to use the following protocol and port.


UDP 1900
TCP 2869
TCP 50103 - 50107



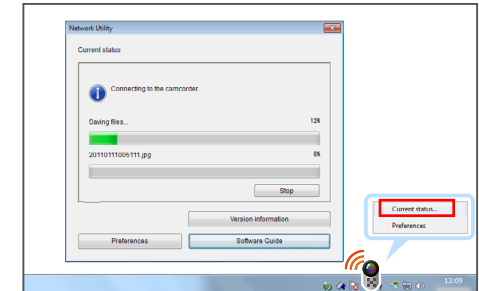
Upload the video files in the camcorder to YouTube.



■ Operate the camcorder to start uploading to YouTube.

You can check the progress by right-clicking the  icon in the task tray and selecting [Current status...].

\* For camcorder operation, refer to the instruction manual of the camcorder.



## ❗ Adding titles and tags to uploading video files

Change titles and tags on the YouTube Web site after uploading video files.

\* You can add titles and tags when uploading with VideoBrowser. (MP4 files and still image files can be saved on the computer, however they are not registered to VideoBrowser.)

## ❗ Checking uploaded video files

Check if uploading is finished on the [Current status] screen and find the uploaded files in My Videos on the YouTube Web site.

## ❗ If you cannot upload


- Enter your YouTube account information in the Preferences P.14 .
- The number of files to upload within 1 hour may be limited according to YouTube specifications. If you upload the files several times in a short time, the message telling the wrong user name or password will be displayed despite the correct ones are entered. In this case, make an interval when uploading files.
  - \* Full operation cannot be guaranteed for future modifications of the YouTube specifications and for every environment.



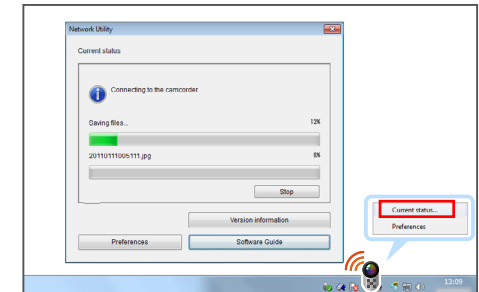
Upload the video files in the camcorder to Facebook.



## ■ Operate the camcorder to start uploading to Facebook.

You can check the progress by right-clicking the  icon in the task tray and selecting [Current status...].

\* For camcorder operation, refer to the instruction manual of the camcorder.



## ❗ Adding titles and tags to uploading video files

Change titles and tags on the Facebook Web site after uploading video files.

\* You can add titles and tags when uploading with VideoBrowser. (MP4 files and still image files can be saved on the computer, however they are not registered to VideoBrowser.)

## ❗ Checking uploaded video files

Check if uploading is finished on the [Current status] screen first, and on the Facebook Web site.

## ❗ If you cannot upload

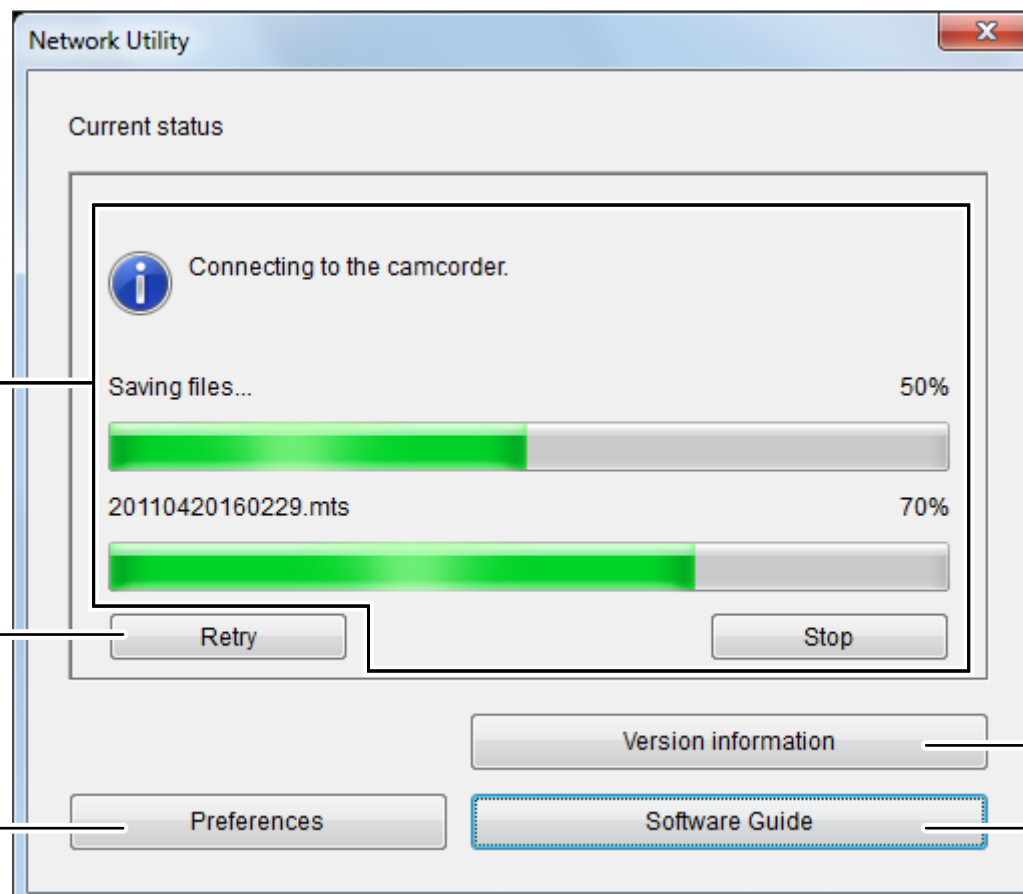
Enter your Facebook account information in the Preferences P.15.

\* Full operation cannot be guaranteed for future modifications of the Facebook specifications and for every environment.



## Current status

To display the current status window, double-click the  icon in the task tray or right-click and select [Current status...].



### Progress

The progress of importing is displayed. Click [Stop] to cancel importing.

### Retry

Click this button to display the [Select the operation] screen. You can select the operation to handle the files which have not been uploaded.

### Preferences

Click this button to display the Preferences P.13 .

### Version information

Click this button to display the software version of Network Utility.

### Software Guide

Click this button to display this document.

\* This screen is a composite image for illustration purpose.



# Preferences

Right-click the  icon in the task tray and select [Preferences...] to display the window below.

- \* Always restart the computer if you changed the configuration.

## Network function switch

Check the box to activate Network Utility. Always check the box when using Network Utility.

- \* Make sure to restart the computer if you changed the configuration.

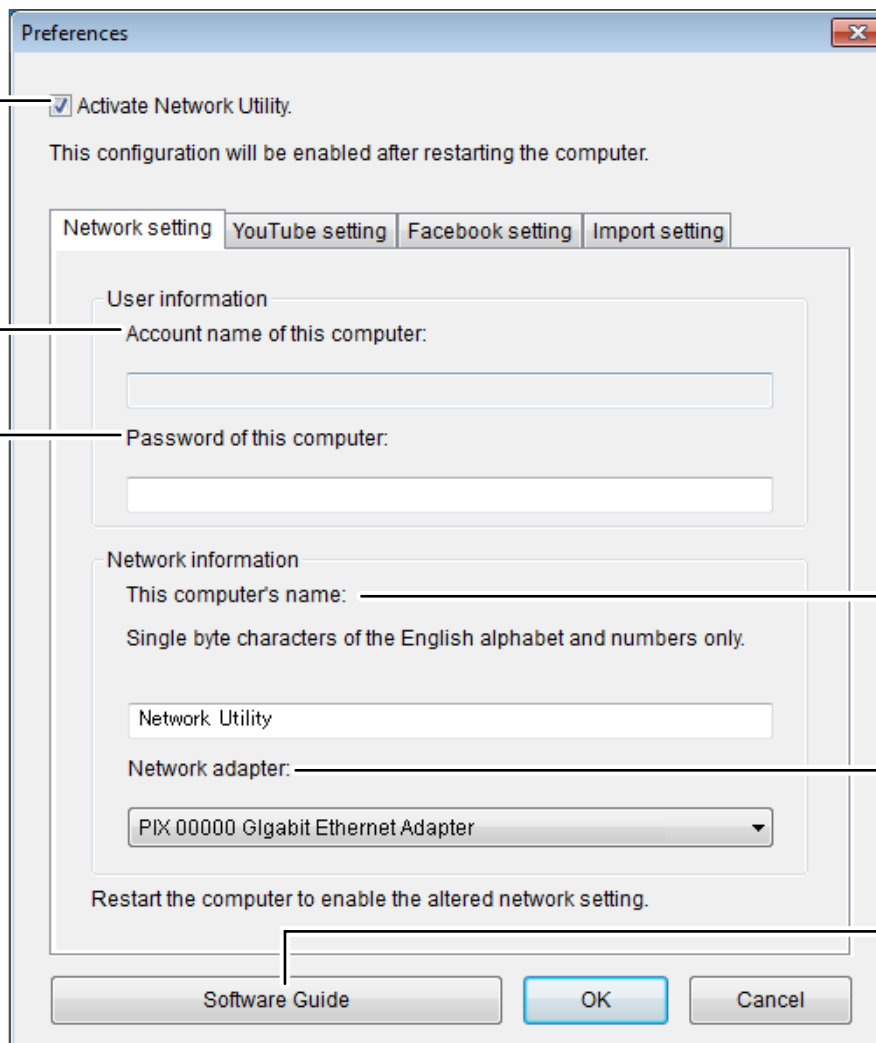
## Account name of this computer

The account name of the computer is displayed.

## Password of this computer

Enter the password of the computer.

- \* Always enter the password. If you have not registered the password yet, register the password in the User Accounts option from the Control Panel of Windows.
- \* Always enter the password for the user account that you are going to use even if you installed Network Utility in a different user account.
- \* If you changed the password of the computer, you also enter the new password here.



The screenshot shows the 'Preferences' window with the following components and callouts:

- Activate Network Utility:** A checked checkbox with a callout from the 'Network function switch' section.
- This configuration will be enabled after restarting the computer.** A message below the checkbox.
- Network setting | YouTube setting | Facebook setting | Import setting:** A tab bar at the top of the settings area.
- User information:** A section containing:
  - Account name of this computer:** A text field with a callout from the 'Account name of this computer' section.
  - Password of this computer:** A password field with a callout from the 'Password of this computer' section.
- Network information:** A section containing:
  - This computer's name:** A text field with a callout from the 'This computer's name' section.
  - Single byte characters of the English alphabet and numbers only.** A note below the name field.
  - Network Utility:** A text field below the name field.
  - Network adapter:** A dropdown menu showing 'PIX 00000 Gigabit Ethernet Adapter' with a callout from the 'Network adapter' section.
- Restart the computer to enable the altered network setting.** A message at the bottom of the settings area.
- Buttons:** 'Software Guide', 'OK', and 'Cancel' buttons at the bottom of the window. A callout from the 'Software Guide' section points to the 'Software Guide' button.

## This computer's name

Enter the computer's name for Network Utility.

- \* Computer's name is the name displayed on the camcorder. The name easy to identify is recommended.
- \* Enter in single-byte English alphabet, symbols, or numbers.

## Network adapter

Select the network device to use.

- \* Select the network adapter which is connected to the same access point as the camcorder.

## Software Guide

Click this button to display this document.



Click the [YouTube setting] tab in the Preferences to display the window below.

\* Make sure to click [OK] if you changed the configuration.

### Network function switch

Check the box to activate Network Utility. Always check the box when using Network Utility.

\* Make sure to restart the computer if you changed the configuration.

### Account information

Enter your YouTube account and password.

\* You can use your Google account if it is linked with your YouTube account. Enter the full Google email address ("username"@gmail.com) into the YouTube account.

\* Note that you may not be able to access YouTube if you fail to enter the correct user name and password several times.

Preferences

☒ Activate Network Utility.

This configuration will be enabled after restarting the computer.

Network setting | **YouTube setting** | Facebook setting | Import setting

Picture quality when converting

☒ High quality  
☐ Standard quality

Account information

User name: Pix\_Taro

Password: ●●●●●●●●

Upload information

☒ Private

POWERED BY YouTube

Software Guide | OK | Cancel

### Picture quality when converting

Select the picture quality of the uploading video files.

### Upload information

Check the box if you do not want to release the uploaded video files.

### Software Guide

Click this button to display this document.



Click the [Facebook setting] tab in the Preferences to display the window below.

\* Make sure to click [OK] if you changed the configuration.

### Network function switch

Check the box to activate Network Utility. Always check the box when using Network Utility.

\* Make sure to restart the computer if you changed the configuration.

### Account information

Enter your Facebook account and password. Clicking [Login] displays boxes to enter account information.

### Software Guide

Click this button to display this document.

Preferences

☒ Activate Network Utility.

This configuration will be enabled after restarting the computer.

Network setting | YouTube setting | Facebook setting | Import setting

Picture quality when converting

☒ High quality

☐ Standard quality

Account information

User name:

Login

Upload information

Album (still image only):

Software Guide OK Cancel

### Picture quality when converting

Select the picture quality of the uploading video files.

### Album (still image only)

Specify the album to register still images.

\* If you do not have album on Facebook, the album of uploaded date will be created when uploading.



Click the [Import setting] tab in the Preferences to display the window below.

\* Always restart the computer if you changed the configuration.

### Network function switch

Check the box to activate Network Utility. Always check the box when using Network Utility.

\* Make sure to restart the computer if you changed the configuration.

### Destination to save video files

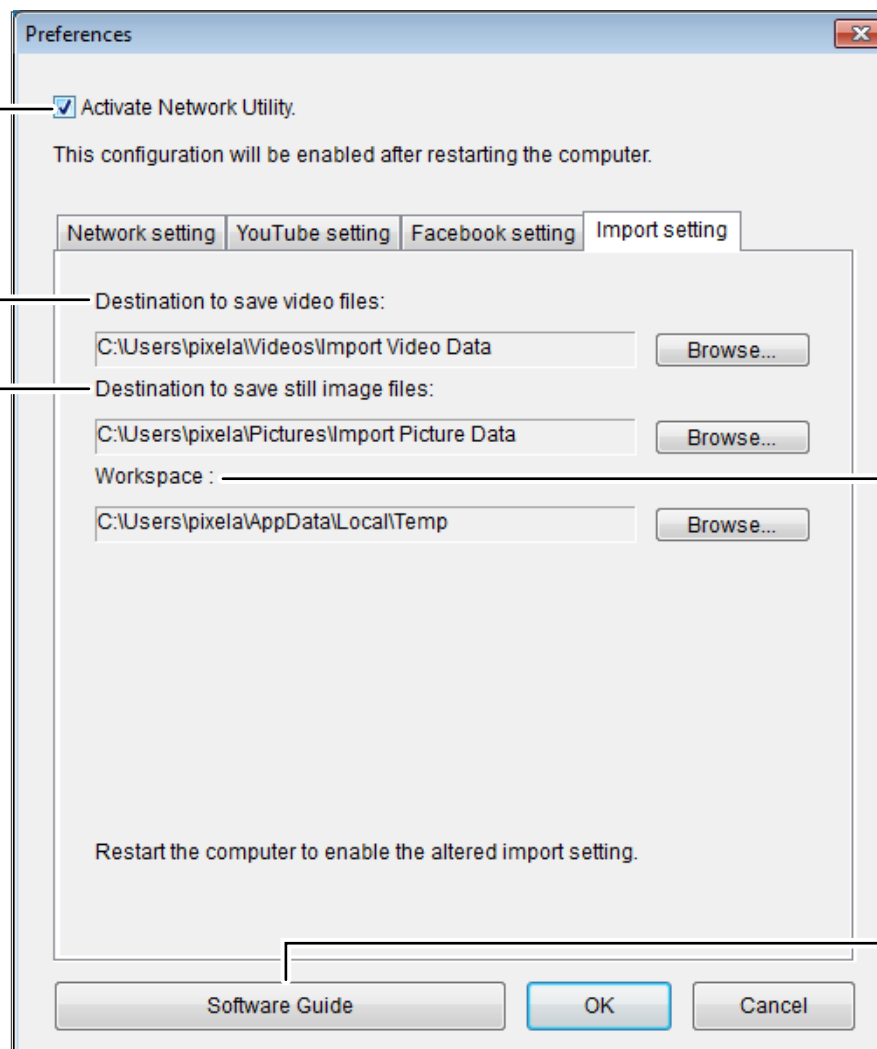
Set the destination to save video files imported to the computer. This setting is also reflected to the VideoBrowser's destination setting.

\* Folders of date and file format is also created in this folder.

### Destination to save still image files

Set the destination to save still image files imported to the computer.

\* MP4 files and still image files can be saved on the computer, however they are not registered to VideoBrowser.



### Workspace

Set a place for the Network Utility workspace. This setting is also reflected to the VideoBrowser's destination setting.

### Software Guide

Click this button to display this document.





Remove Network Utility from your computer. Exit Network Utility before uninstalling.

## ■ Windows XP

1. Click the [Start] menu.
2. Click [Control Panel].
3. Click [Add or Remove Programs].
4. Select [Network Utility] and click [Remove].
5. Click [OK].
6. Click [Finish]

## ■ Windows Vista / Windows 7

1. Click the Start menu.
2. Click [Control Panel].
3. Click [Uninstall a program].
4. Select [Network Utility] and click [Uninstall].
5. Click [Continue] (Windows Vista)/[Yes] (Windows 7).
6. Click [OK].
7. Click [Finish]



Contact the following numbers for inquiries and questions about Network Utility.

## PIXELA CORPORATION User Support Center

### ■ USA and Canada

+1-800-458-4029 (toll-free)

Language: English

### ■ Europe (UK, Germany, France, and Spain)

+800-1532-4865 (toll-free)

Language: English, German, French, Spanish

### ■ Other Countries in Europe

+44-1489-564-764

Language: English, German, French, Spanish

### ■ Asia (Philippines)

+63-2-438-0090

Language: English

### ■ China

10800-163-0014 (toll-free)

Language: Chinese

## Web site

Visit our Web site for the latest information and downloads.

***<http://www.pixela.co.jp/oem/canon/el>***



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