AW-HN130 Firmware Update Procedure

Please be sure to read this first.

The update of AW-HN130 camera is performed via a network from Web setting screen on PC.
There might be accidents in the process of updating such as changing the camera settings and others by mistake. Please perform the update after taking every situation into careful consideration.
It is recommended that the current settings should be noted down in advance.

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(7) LOSS OF REGISTERED DATA CAUSED BY ANY FAILURE.
(8) ANY DAMAGE OR CLAIMS DUE TO LOSS OR LEAKAGE OF IMAGE DATA OR SETTING DATA SAVED ON THIS UNIT OR ON A MEMORY CARD OR COMPUTER.

◆[Network security]
As connected to a network, your attention is called to the following security risks.
(1) Leakage or disclosure of information transmitted via this unit
(2) Unauthorized use of this unit by a third person with malicious intent
(3) Interference or stoppage of this unit by a third person with malicious intent
It is your responsibility to take sufficient network security measures such as those described below to protect yourself against the above risks.
+ Use this unit in a network secured by a firewall, etc.
+ If this unit is used in a system with a computer connected, make sure that checks for and removal of computer viruses and malicious programs are implemented regularly.
+ Do not install the unit in a location where the unit, cables, and other parts may be easily damaged.

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Introduction (Integrated Camera Update Tool)

- This tool is the software for updating firmware of Integrated Cameras (HE** Series).
- If this software is installed into PC and then the camera that needs updating is connected via network with this PC, the camera can be updated simply by loading the update files.
- This software is available for Windows and Mac.

Preparation For Updating

○ **Supported OS**

Microsoft Windows7
Microsoft Windows8
Microsoft Windows8.1
Mac OS X 10.7 Lion
Mac OS X 10.8 Mountain Lion
Mac OS X 10.9 Mavericks

○ **Applicable Cameras**

AW-HE50 (AW-HEF5)
AW-HE55
AW-HE60
AW-HE120
AW-HE130
AW-HN130

○ **Preparing the devices**

- Remote camera unit
- PC that can be connected with remote cameras via local area network
- LAN cables and a switching hub for making local area connection
- PC that can be connected to Internet

Install the Integrated Camera Update Tool

Please download this tool from the website.
This tool needs to be installed into PC before updating.

- **For Windows** **Execute "setup.exe" file to install Integrated Camera Update Tool into PC.**
- **For Mac** **Execute the application software.**

[Note]
When a new version of this tool is released, please be sure to uninstall the old version before installing the new one. If the old version is still installed, the new one can not be installed.

Preparing the update file

1. Download the file for the update from "Support " web site.
   Click next to "Service and Suppot" tab. http://pro-av.panasonic.net/en/

2. Copy the file "*****.zip" to hard disk of your PC and extract the file.

[Note]
Spaces and double-byte characters can not be used for save directory.
Please do not change unzipped folder's name and files inside it.

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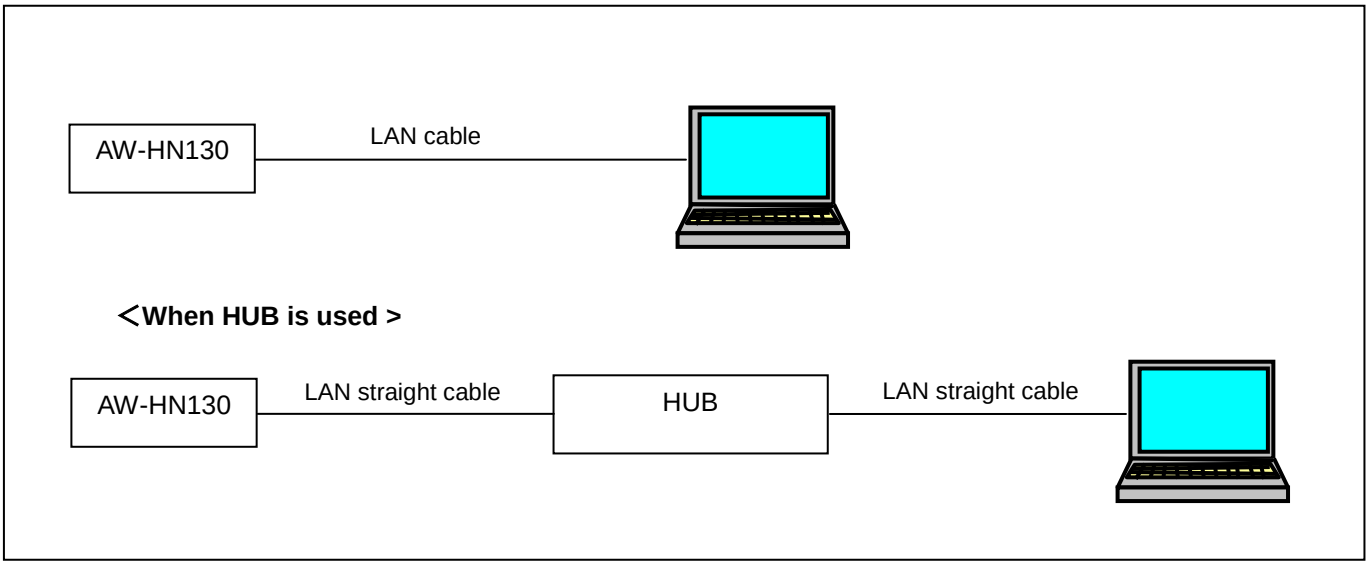
Connection

When updating is performed using this tool, local area connection is required. Please refer to Operating Instructions of each model to find out about how to connect the devices via local area network.

< Connection AW-HN130 to PC >



The LAN straight cable is used when making the connection through a switching hub.

Select an IP address for the personal computer within the private address range while ensuring that it is different from the address of the unit. Set the subnet mask to the same address as the unit.

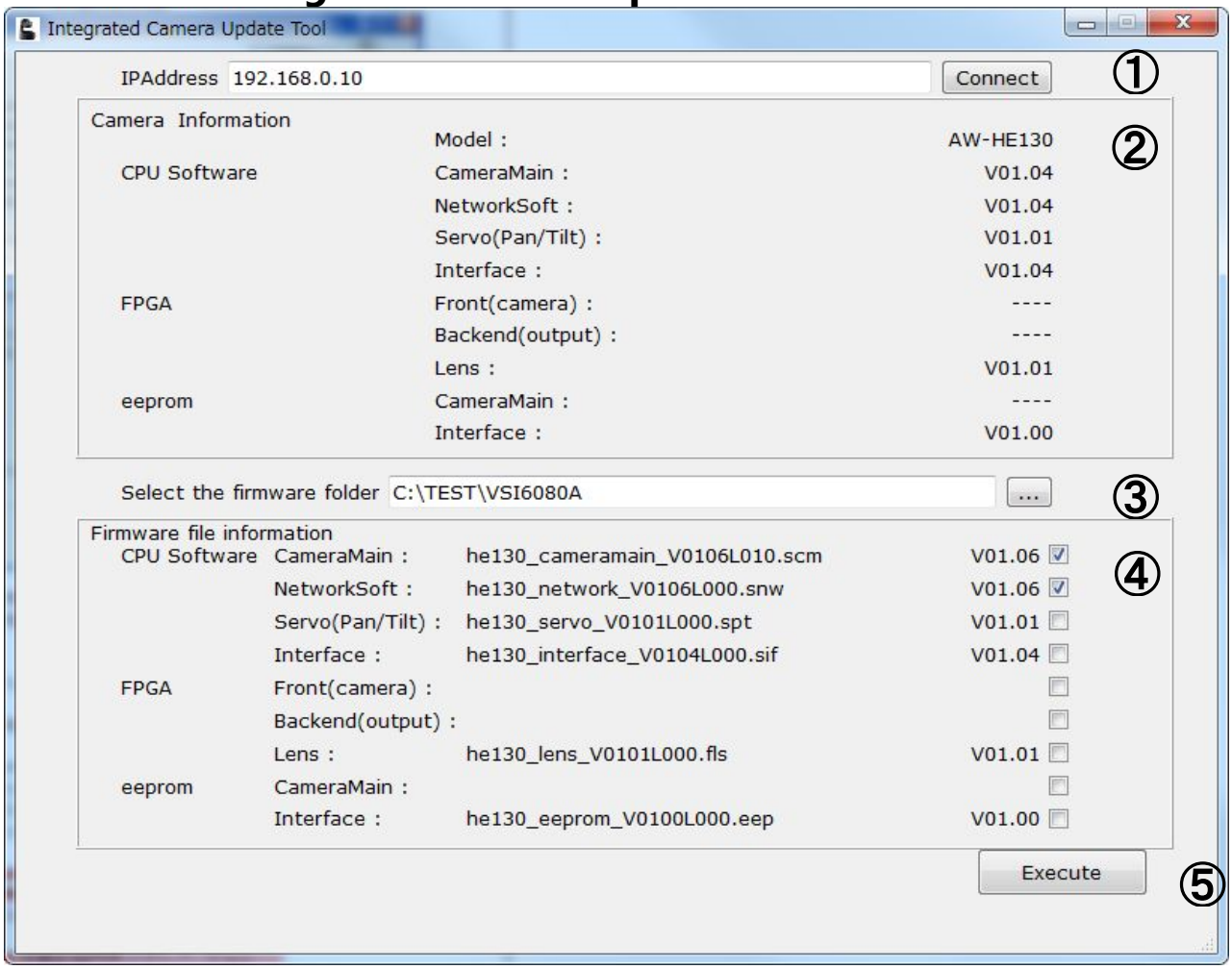
Example
AW-HN130 192. 168. 0. 10
PC 192. 168. 0. 100

Unit's IP address and subnet mask (factory settings)
IP address : 192.168.0.10
Subnet mask : 255.255.255.0
Range of private addresses: 192.168.0.1 to 192.168.0.254

[Note]
When this tool is used, please do not start up other web browsers.
Also, please do not launch two or more Integrated Camera Update Tools at the same time.

Please set up the PC as following.
Authentication: Digest or Basic / Basic
Please refer to the Operation Instructions of AW-HN130 for details.

How To Use Integrated Camera Update Tool



①IP Address	Enter the IP address of remote camera.
②Camera Infomation	Camera information about remote camera is shown.
③Select the firmware folder	Select the update folder.
④Firmware file information	Information about update file is shown.
⑤Execute	Updating gets started.

Model		Model No. of remote camera
	CPU Software	
	CameraMain	Version No. for camera module
	NetworkSoft	Version No. for network module
	Servo(Pan/Tilt)	Version No. for Pan/Tilt module
	Interface	Version No. for interface module
	FPGA	
	Front(camera)	FPGA version No. for camera module
	Backend(output)	FPGA version No. for output module
	Lens	FPGA version No. for lens module
	eeprom	
	CameraMain	EEPROM version No. for camera module
	Interface	EEPROM version No. for interface module

[Note] Depending on the model, some version No. may be shown as "----".

Update Procedure

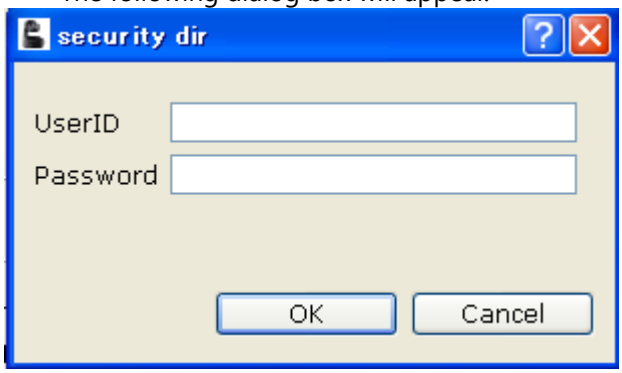
1. **Start up this tool.**
   When this tool is used, please do not start up other web browsers.
   Also, please do not launch two or more Integrated Camera Update Tools at the same time.

2. **① In "IP Address" box, enter the IP address of remote camera that needs updating.**
   If you do not know its IP address, please use "Easy IP Setup Tool" to make sure of it.
   Please refer to Operating Instructions of each model to find out about how to use "Easy IP Setup Tool".

3. **Press "Connect" button.**
   ② Software version numbers in this camera will be shown at "Camera Information" area.

4. **③ Click the browse button next to "Select the firmware folder" box to specify the downloaded folder that contains update file.**
   [Note]
   By clicking the browse button, program folder (application folder) may be shown. Please move to the update folder that has been prepared at "Preparing the update file".
   ④At "Firmware file information" area, names and version numbers of update files required for selected remote camera will be shown.
   Files to be updated can be selected using checkboxes at the right ends, but please do not remove check marks because all the files shown at the area need to be updated.

5. **⑤ Press "Execute" button.**
   The following dialog box will appear.



6. **Enter User ID and Password that are set for the remote camera.**
   Initial User ID and Password are as follows.
   User ID: admin
   Password: 12345

7. **Press "OK" button to start updating.**

[Note]
- After pressing "OK" button, it may take some time before progress bar starts working to indicate that the update process is in progress.
- The process may move on to the next step before the bar reaches 100%
- Please perform the update process using PC in the same subnet as camera unit.
- While updating, please do not turn off the camera unit. (Until the completion dialog box appears.)
- Please do not perform any operations at all until the update process is completed.

Errors

Action for an error that has occurred
If the error message is shown, please perform the update again from the beginning.

No Connect Camera	**Camera is not recognized by this tool.** **Enter the IP address so that camera information will be shown.**
CameraErr	**Camera is not connected or IP address is wrong.**
UpdateErr	**Update process is not completed.** **Update process may have failed to be completed and timed out.** **Press "Connect" button to get camera information, and then try to perform the update process again. At that time, be careful not to remove check marks from the required files to update all of them again.**