AW-HE120 Firmware Update Procedure

Please be sure to read this first.

The update of AW-HE120 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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[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.

1. Preparation

< Required PC environment>

<CPU> Intel Core2 DUO 2.4 GHz or faster recommended

<MEMORY> 512 MB or more, When using Windows Vista 1 GB or more,

and when using Windows 7: 1 GB [32 bits] or 2 GB [64 bits] or more

<Network function>10Base-T or 100Base-TX port 1

< Image display function> Resolution: 1024 768 pixels or more, Color generation: True Color 24 bits or more

<Supported OS and Web browser>

Windows 7 Professional 32/64-bit (*1), IE 8.0 /9.0(*2)

Windows Vista Business SP1 32-bit , IE 7.0

Windows XP (*3) Home Edition SP3/ Professional Edition SP3, IE 6.0

*1) This cannot be used in the Windows XP compatibility mode.

*2) This cannot be used with the 64-bit version of IE 8.0.

*3) The Windows XP Professional x64 Edition is not supported.

If CPU Software / Network Ver02.01 or more, you can use Windows 8 for update.

< Copy of file for update >

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

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

< Connection AW-HE120 to PC >

<when cat<="" cross="" lan="" th=""><th>Die is used > LAN cross cable</th><th></th><th></th></when>	Die is used > LAN cross cable		
<when b="" c<="" lan="" straight=""></when>	able is used > AN straight cable HUB	LAN straight cable	

The LAN cross cable is used when connecting a personal computer directly to the unit's LAN connector for IP control, and 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-HE120 192. 168. 0. 10 PC 192. 168. 0. 100

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

2. Update procedure

The update of AW-HE120 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.

1. Turn on the AW-HE120, Check PC connecting a local network.



2. Start the Web browser, and access following URL. http://192.168.0.10

Note: The IP address set as AW-HE120 depending on a customer's employment may have been changed.Please check the IP address on a Network screen of Web setting screen (Refer to "Network screen" of operation instructions (Operation and Settings)).

3. The following Web setting screen is displayed. Click Setup button.

O	Orthur	
Control	Setup	
OSD Monu	Operation	
030 Menu	operation	
On / Off	Cancel	
	<u> </u>	
	ок 🛛 📥 🗌	
	•	
CAM	/ BAR	
CAM	BAR	
Pov	wer	
		Zoom D-Zoom Brightness Preset
Power ON	Standby	
	(on Lard)	Focus Auto Auto Scene V
	Op. Lock	

4. Clicking **Setup** button, the following screen is displayed. Click **OK** button on the screen, setup menu is displayed.

Microsoft Internet Explorer	
"User name" and "Password" remain as the de Please change them .	efault .

NOTE:

When the Setup button is clicked for the first time, the following login screen is displayed.

security dir User name: Password:	Connect to 19	2.168.0.10	
	security dir User name: Password:		

Input the following default values. Clicking OK button after inputting values, the message screen shown in step 4 is displayed.

User name	admin
Password	12345

NOTE: The user name and password which are set as AW-HE120 depending on a customer's employment may have been changed. In that case, a confirmation is required.

5. Select the "Maintenance" in Setup menu. Click Maintenance button.

AW-HE120	AW-HE120K		
Control Setup	Basic		
	Camera title	AW-HE120K	
Setup menu		Set	
Basic			
Image			
User mng.			
Server			
Network			
Maintenance			
Power			
Power ON Standby			

6. The **Maintenance** setting screen is displayed. Clicking **Product info. tab**, Product info. screen is displayed.

Control Setup	System log	Product info.	Default reset	Back up	
Setup menu	No	Time & date		Error description	
Basic					
Image					
User mng.					
Server					
Network					
Maintenance					
Power					
Power ON Standby					

7. The version of firmware can be confirmed.

Control Setup	System log	Product info.	Default reset	Back up	
	Model no.			AW-HE120K	
Setup menu	MAC address			00-80-45-0D-00-02	
	Serial no.			PL12	
		CPU Software	Interface Camera Main Servo Network	V01.18 V01.09 V01.05 V01.08	
User mng.	Firmware version	EEPROM	Interface Camera Main	V01.02 V01.07	
Server Network		FPGA	Frontend Backend Lens	V01.02 V00.11 V00.19	
Maintenance		Firmware file		修照	
Power			_		
Power ON Standby	Status	select the firmware fi	le (.sif / .scm / .sp	/ .snw / .eep / .ffe / .fbe) .	

8. Clicking **Browse** button, "**Choose file**" dialog is appeared. Select firmware for update and click "**Open**" button.

Control Setup	System log	Product info.	Default reset	Back up	
	Model no.			AW-HE120K	
Secup menu	MAC address			00-80-45-0D-00-02	
Basic	Serial no.			PL12	
Image		CPU Software	Interface Camera Main Servo	V01.18 V01.14 V01.05	
User mng.	Firmware version	EEPROM	Network Interface Camera Main	V01.08 V01.02 V01.07	
Network		FPGA	Frontend Backend Lens	V01.02 V00.11 V00.19	
Maintenance		Firmware file			
				Execute	
Power					
wer ON Standby					

Software other than LENS FPGA shown in the following table can update on a Web setting screen.

Name		File name	Remark
	Interface	VSI5512*.sif	
CDLL Softwara	Camera Main	VSI5510*.scm	
CI O Soltware	Servo	VSI5536*.spt	
	Network	VSI5532*.snw	
EEDDOM	Interface	VSI5535*.eep	
EEFROM	Camera Main	VSI5511*.eep	
	Frontend	VSI5533*.ffe	
FPGA	Backend	VSI5534*.fbe	
	Lens		*NOTE:Update is impossible.

NOTE: Each software of an update procedure is the same. In this manual, the screen at the time of selecting CPU Software / Camera Main is described.

9. Select firmware for update on "Choose file" dialog screen and clicking "Open" button, the following screen is displayed.

AW-HE120	AW-HE120K			
Control Setup	System log	Product info.	Default reset	Back up
	Model no.			AW-HE120K
Setup menu	MAC address			00-80-45-0D-00-02
Basic	Serial no.			PL12
Image		CPU Software	Interface Camera Main Scivo	V01.18 V01.14 V01.05
User mng.	Firmware version	EEPROM	Network Interface	V01.08 V01.02
Server Network		FPGA	Camera Main Frontend Backend Lens	V01.07 V01.02 V00.11 V00.19
Maintenance		Firmware file C:\VSI5399D\VSI5399	D.scm	Browse
Power		It will take around 1 Please wait and do [Step 1/2] aroun	13 minutes to comple not operate the brow d 15 seconds [S1	ete the update . vser during this process . tep 2/2] around 13 minutes
Power ON Standby	Status	Press "Execute" butto	n to start update .	/

10. Click Execute button.

11. Confirmation screen is displayed for execution of update.



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12. Clicking OK button on the confirmation screen of execution of update, the following message is displayed on the status column (Step1/2). The firmware is transferred to HE120 from PC.

Control Setup	System log	Product info.	Default reset	Back up	
	Model no.			AW-HE120K	
Setup menu	MAC address			00-80-45-0D-00-02	
	Serial no.			PL12	
Basic		CPU Software	Interface Camera Main Servo Network	V01.18 V01.14 V01.05 V01.08	
User mng.	Firmware version	EEPROM	Interface Camera Main	V01.02 V01.09	
Server Network		FPGA	Frontend Backend Lens	V01.02 V00.11 V00.19	
Maintenance		Firmware file C:\VSI5399D\VSI5399	D.scm	· · · · · · · · · · · · · · · · · · ·	
		It will take around 1 Please wait and do	3 minutes to complete the brow	Execute ete the update . seer during this process .	
Power		[Step 1/2] aroun	d 15 seconds [St	tep 2/2] around 13 minutes	
ower ON Standby	Status	[Step 1/2] Sending f	irmware file (00:	.03)	

13. After completion of transferred and confirmation, update is started.

ID Integrated Camera	AW-HE120K				
Control Setup					
Setup menu					
Basic					
Image					
User mng.					
Server	********	Currently updating : CPU S	oftware / Camera Main	(01:31)	
Network	It will take a Please wait a Please do no	around 13 minutes to complete and do not turn off the power ot operate the browser during	the update . during this process . the update process .		
Maintenance					
Power					
Power Power ON Standb	2				
Power Power ON Standb	2				
Power Power ON Standb					
Power Power ON Standb					

NOTE:

The power of the camera automatically OFF and ON (The update is continuing). The update is not completed. Do not close the WEB setting screen, and do not turn off the power by mistake after the camera reboot.

14. The following completion message is displayed, when the update is completed. Clicking OK button, the Control screen of Web setting screen is displayed.

A			
- <u>-</u>	Process has been completed successfully	у.	
a second			
	ОК		

15. Repeat the procedure from Step8 to 14 to update every software program that needs updating.

Failure in updating

< When the update of Network software is failed >

The following **Safe mode** screen is displayed.

	Sate Mode	
* Currently	running in the safe mode. Please update the network firmware	again.
	Network firmware update	
	参照 Execute	
It will take a Please wait a	round 9 minutes to complete the update. and do not operate the browser during this process.	
Status	Select the network firmware file (.snw) .	

Select the file of firmware and execute the update again. Clicking Browse button, "Choose file" dialog screen is appeared. Clicking Execute button, the update is started. Please refer to the procedure from step 10.

NOTE: Only Network software can be updated on a Safe mode screen.

< When the update of other than Network software is failed >

The usual Web setting screen is displayed.

Please refer to the procedure from step 6, and execute the update again.

3. Confirm update

Please check according to the item "step 7". [WEB setting menu] Product info. screen (Setup \rightarrow Maintenance \rightarrow Product info.)

CPU Software		FPGA	
Interface	V01.00	Frontend	V01.00
Camera Main	V01.00	Backend	V01.00
Servo	V01.00	Lens	V01.00
Network	V01.00		
EEPROM			
Interface	V01.00		
Camera Main	V01.00		

The version of firmware is also displayed in Firmware Version of camera menu. [Camera menu] Firmware Version screen (Top Menu \rightarrow Maintenance \rightarrow Firmware Version)