One Home [™] Management and Contro	Camera Integration Note
Manufacturer:	Panasonic
Model Number(s):	KX-HCM280A
Comments:	Network Camera (EasyConfig.exe version 1.0.21.0)
Document Revision Date:	11/1/2005

OVERVIEW AND SUPPORTED FEATURES

Installing the Panasonic camera can be broken down into the following steps:

- 1. Install cameras at desired locations, and pull power and Cat5 cabling as needed. Refer to the Panasonic documentation for mounting details.
- 2. Connect the cameras electrically to the home network and configure the cameras. See **Camera Configuration**.
- 3. Integrate the cameras into the **One**Home system and test proper operation. This step is outlined in **HomeLogic Configuration Details**.

THE KX-HCM280A SUPPORTS THE FOLLOWING FEATURES:

Pan / **Tilt:** The camera can be turned to see various locations.

Zoom: The camera can zoomed in/out.

CAMERA CONFIGURATION

The camera configuration is done with software provided by Panasonic, which must be run from a computer with Windows also connected to the same network as the camera.

The software program from Panasonic is **EasyConfig.exe**: the version we checked is shown at the top.

IMPORTANT NOTES

- 1. **Cameras must be configured one at a time**: If you are installing more than one camera, setup the first one completely before powering up subsequent cameras.
- 2. Setup the camera within 20 minutes: Initial settings must be made within 20 minutes of the camera being turned on. If the camera has been powered up for more than 20 minutes, cycle power to the camera before proceeding.
- 3. **DON'T LOSE THE CAMERA PASSWORD:** During setup you will create a user name and password, which are required to make any other changes in the future. If you lose the user name or password you will have to factory reset the camera and repeat this entire procedure.
- 4. **DEFAULT USER NAME / PASSWORD:** For Panasonic cameras, our default user name is **Administrator** and our default password is **password**. If the username and password are set to something other than **Administrator/password** then the camera view presets may not be reprogrammable.

STARTING THE PANASONIC CAMERA SOFTWARE

- 1. Insert the CD from the camera into your PC: once it starts up, click **Camera Setup**. Or, if you have copied the files from the CD to your computer, locate and start **EasyConfig.exe**.
- 2. Wait a moment to allow the software to find the camera: the following screen appears.



3. Select the desired camera, then click **Execute** to bring up the camera dialog shown below:

Camera No. 1 : MAC Address 00-80-F0-54-0A-59 🛛 🚺
Automatic Satur (Local Access Only)
Automatic Setup (Local Access Only)
Automatic Setup (Internet Access)
Manual Setup
Open the camera's web page
Close

4. Click **Automatic Setup**: after a short delay you will see a new browser window with the password settings shown below:

Security: Administrator - Microsoft Internet Exp	larer	
Elle Edit View Figurarities Icols Help		
(G 8x4 · (2) · 💌 🖻 🟠 🔎 Search 🌱	🔭 Favorites 🕜 🍰 - چ 🗔 • 🛄 [) 💷 🕼 🤹
Aggress an http://192.168.0.80/Cgliantar/Mode=Local	······································	💌 🛃 60 🛛 Links 🎙
Security: A	Administrator	-
Please enter the Administrator's User Name an	d Password.	
Security: Administrator		
New User Name (6 to 15 characters)	Administrator	
New Password (6 to 15 characters)	•••••	
Retype new password		
Note :(1)You'll be asked for User name and Please keep your User Name and F (2)Alphabet and number only. (Space) (3)A capital letter/small letter is disting (4)User Name and Password must be (5)It is strongly recommended to chan	password to open camera's web page. Password securely. .["]["][8][]][<] or [>] are not allowed. jushed. e different from each other. ige password regularly for security.	
	iave	

5. Type in your desired user name and password: these values are not needed by the **One**Home system, but must be recorded and saved to make settings to the camera. By default we set the user name to **Administrator** and the password to **password**.

6. You will be prompted to enter your user name and password again, as shown in the image below. Type in the user name and password you just set, and click **OK**.



- 7. After a short delay, you should see a new browser window, similar to that shown under Camera Settings below.
- 8. If the **Automatic Setup** dialog is still present, click its **Cancel** button. If the **Easy Setup** window is still open on your desktop, close that window now as well.

CAMERA SETTINGS

- 1. After typing in your user name and password, you will be shown the standard browser interface to the camera.
- 2. The system will attempt to install an ActiveX control to show the camera image in the browser window. This control is not needed for proper **One**Home operation, but is needed if you wish to see the camera image on that computer. If any dialogs appear, close them or accept the ActiveX control as appropriate for your situation.
- 3. On Windows computers with popup blocking enabled, you will need to click the appropriate bar to enable the installation of the ActiveX control.



4. Click **Setup** at the top to bring up the screen shown below:

🙆 Network Camera - Micros	oft Internet Explorer		
<u>File E</u> dit <u>V</u> iew Favorites	<u>T</u> ools <u>H</u> elp		.
G Back 🝷 🕥 🕤 💌 [🗿 🏠 🔎 Search 🤺 Favorites 🖌	🚱 🔗 · 🍃 🕞 · 🧾	* ×
Address 🕘 http://192.168.0.80/	CgiStart?page=Setup&Language=0	💌 🄁 G	Links »
Top Single	Multi Buffered Image	Setup Maintenance Su	pport
Basic		Network	
UPnP Viewnetcam.com Date and Time	Set up network configuration. Select "Automatic Setup" if you co automatically. Select "Static" if you wish to assig Select "DHCP" if you are using th	onnect the camera to the rout gn a static IP address to the c le DHCP function of your route	er and wish amera. er or ISP.
Camera	Connection Mode		
Administrator	Connection Made	Current Setting	
General User	Automatic Setup	X	Configure
Advanced	Static DHCP		Assign sta Get IP addi
Multi-Camera			
Operation Time			
Indicator Control Privacy Mode			
	<]		>
é		🥑 Internet	, d

5. Click **UPnP** on the left, then click **Disable** in the both parts of the screen, as shown below. Click **Save** to store your settings.

🕘 Network Camera - Micro	soft Internet Explorer	×
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites	Iools Help	1
🚱 Back 🝷 🐑 🛛 💌	🗿 🏠 🔎 Search 🤺 Favorites 🤣 🔗 - 嫨 🖃 - 🛄 🖪 🕼 🦓	
Address 🕘 http://192.168.0.80/	(CgiStart?page=Setup&Language=0 🛛 💽 Go Links	s "
Top Single	Multi Buffered Image Setup Maintenance Support	
Basic	UPnP	
Network UPnP Viewnetcam.com	If your router supports UPnP, you can automatically configure the router's port forwarding so that the camera can be accessed from the Internet by enabling UPnP function. Note: When a global IP address is assigned to the camera, UPnP function doesn't work.	эt
Date and Time		_
Camera	Auto Port Forwarding By enabling "Auto Port Forwarding", yo	u
Account	O Enable port forwarding so that the camera can be accessed from the Internet.	; 1
Administrator	Disable Note:Effective only when network configuration is set to "Static" or In configuration	
General User	Disulau Chasteut Iaan in Mu Naturak Diaaca	
Advanced	Display Shortcut icon in My Network Places By enabling this function, the camera's shortcut icon is displayed on your	
Image Display	O Enable computers "My Network" folder. Note: This function is only available with	h)
Multi-Camera	UISable Windows XP or Windows Me.	
Buffer/Transfer		
Operation Time	Save	
Indicator Control		
Privacy Mode		
	<	>
ê	🔮 Internet	

6. Under Accounts to the left, click **Administrator** to bring up the screen below. Click **Permit access from guest users**, as shown below. Leave the **Password** boxes blank to prevent changing your password, then click **Save** to store your changes.

🕈 Network Camera - Micro	osoft Internet Explorer		
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites	Tools Help		
🕒 Back 🝷 🕥 🕤 💌	💈 🟠 🔎 Search 🤺 Favorite	॰ 🥴 🔗 • 🎑 •	📃 🗉 🕼 🥸
Address 🙆 http://192.168.0.80)/CgiStart?page=Setup&Language=0		Go Links
Top Single	Multi Buffered Image	Setup Maintenance	Support
Basic		Security: Adminis	trator
Network	_	-	
UPnP	For security management, you Only the administrator can ac	i can set up user name and cess "Setun" and "Maintenan	password for administrator.
Viewnetcam.com		eess octap and maintenan	lee pages.
Date and Time			
Camera	General Authentication		Select if you allow guest users to access the camera or not.
	Permit access from gu	est users	
Account	O Do not permit access fi	rom guest users	
Administrator	Administrator Authenticatio	n	Leave "Password" column blanked if
General User	User Name (6 to 15 Characters)	Administrator	password. Please refer here for the instructions how to assign user name
Advanced Image Display	Password (6 to 15 Characters)		and password. Note(1)User Name and Password must be different from each other.
Multi-Camera	Retype Password		(2)It is strongly recommended to change password regularly for
Buffer/Transfer			security.
Operation Time			
Indicator Control		Save Cancel	
Privacy Mode			
	<		
1			🔮 Internet

 Under Accounts to the left, click General User, select Guest User and click Modify to bring up the screen below. Click on all check boxes and set the Limit time of Continuous Motion JPEG to Unlimited as shown below. Click Save to store your changes.

Metwork Camera - Micros	oft Internet Explorer			
Ele Edit View Favorites	<u>T</u> ools <u>H</u> elp			At
🕒 Back 🔹 🕥 🕤 💌	🗟 🏠 🔎 Search 🤺 Favorites 🕠	🛛 🗟 • 🍃 🖻 • 🗾		
i Links 🕴 Address 🕘 http://192.3	168.0.80/CgiStart?page=Setup8Language=0			💌 🄁 Go
Top Single	Multi Buffered Image S	etup Maintenance Supp	port	
Basic	n	Aodify General User		
Network(IPv4) Network(IPv6)	Modify General User registration in	formation		
IPsec	Access Level		You can set Access Level for Guest	
Viewnetcam.com	Limit time of Continuous Motion JPEG	Unlimited		
Date and Time	Refresh Interval	3 s 💌		
Camera	Pan / Tilt Control			
Account	Zoom Control			
Administrator	✓ Focus Control			
General User	Preset Control			
Advanced	Click to Center Control			
Image Display	Brightness Control			
Multi-Camera	External Output Control			
Buffer/Transfer	Change Refresh Interval			
Operation Time	Change Resolution			
External Output	Change Quality			
Indicator Control	Capture Image Button			
	✓ View Multi-Camera page			
	View Buffered Image page			
		Save Cancel		
<u>ال</u>				💣 Internet

8. Click **Network** to bring up the network settings screen shown below.

🗿 Network Camera - Microsoft Internet Explorer					
Eile Edit View Favorites	<u>T</u> ools <u>H</u> elp		A		
🕝 Back 🔹 🕥 🕤 💌	🌀 Back 🔹 💿 - 💌 🗟 🏠 🔎 Search 🤺 Favorites 🤣 🔗 - چ 🚍 - 🛄 🦓				
Address 🗃 http://192.168.0.25	53/CgiStart?page=Setup		So 🕴 Links 🎽		
Top Single	Multi Buffered Image	Setup Maintenance Sup	port		
Basic		Network			
Hetwork UPnP Viewnetcam.com Date and Time	Set up network configuration. Select "Automatic Setup" if you co automatically. Select "Static" if you wish to assig Select "DHCP" if you are using the	nnect the camera to the router n a static IP address to the car e DHCP function of your router	and wish to set it up mera. or ISP.		
Camera					
Account	Connection Mode				
Administrator	Connection Mode	Current Setting			
General User	Automatic Setup	Х	Configure network settings automatically		
Advanced	<u>Static</u>		Assign static IP address to the camera.		
Image Display	DHCP		Get IP address from DHCP server		
Multi-Camera					
Buffer/Transfer					
Operation Time					
Indicator Control					
Privacy Mode					
🙆 Done			🔮 Internet		

9. Click **Static** in the Connection Mode to bring up the screen below.

Network Camera - Micro	soft Internet Explorer				
Elle Edit View Favorites Icols Help					
🚱 Back 🔹 💮 🕤 📓 🐔 🔎 Search 👷 Favorites 🚱 🔗 - 🌺 🧫 - 🛄 🔛 🖓					
Address 🗃 http://192.168.0.2	53/CgiStart?page=Setup		🔽 🋃 Go 🕴 Links		
Top Single	Multi Buffered Image	Setup Maintenance Si	upport		
Basic	Sta	tio IR Address Config	uration		
Network	JIC	ate il Address coring	uration		
UPnP	You can configure network pa	arameters here.			
Viewnetcam.com					
Date and Time	Network Configuration fro	om Setup Program	After setting network configuration, you must set disable for network security.		
Camera	Enable				
Account	Internet Connection		Configure Port Number, IP Address, and Subnet Mask assigned from your ISP		
Administrator	Port No.	80	(Internet Service Provider) or Network Administrator. When you connect two or		
General User	IP Address	192.168.0.80	more cameras to the router, you need to assign different Port Number for each		
Advanced	Subnet Mask	255.255.255.0	camera.		
Image Display	Default Gateway		In case of communication over the		
Multi-Camera	Default Gateway	192.168.0.1	address.		
Buffer/Transfer	DNS		In case of using DDNS, FTP, E-mail or		
Operation Time	DNS Server 1	192.168.0.1	address.		
Privacy Mode	DNS Server 2				
	Max. Bandwidth Usage		It can restrict the transmit bandwidth.		
Unlimited V					
Connection Type Note:Use "Auto Negotiation" in most					
	Auto Negotiation 💌		00308.		
		Save Cancel			
C Done			Internet		

10. Set the IP address to the desired value: we suggest setting the first camera to 192.168.0.80, the second to 192.168.0.81, and so forth. Check the other settings so they match the screen above, then click **Save** to save the settings.

11. If prompted, click to **Restart** to restart the camera, this may take a minute or so. When finished the camera's homepage will display as shown below.

Network Camera - Microsoft Internet Explorer	
Elle Edit View Favorites Icols Help	At 1997
😮 Back 🔹 🕥 - 💌 📓 🏠 🔎 Search 👷 Favorites 🤀 🔗 - 🌺 🚍 - 🛄	
Links Agdress 💩 http://192.168.0.80/Cg/Start?page=Top8Language=0	💙 🛃 Go
Top Single Multi Buffered Image Setup Maintenance Support	
Panasonic Control of the second seco	
KX-HCM280A	
Version 1.09	
Running in IPv4 mode.	
2 Done	Internet

Note that the camera is now at a different IP address, so if after a few minutes the browser window does not show the camera homepage then go to the address line in the browser, and put in the new IP address as shown below:



- 12. The camera is now at the correct IP address with the correct settings.
- 13. Close the browser.

HOMELOGIC CONFIGURATION DETAILS

The following table provides settings used in the HomeLogic Configurator when connecting to a Panasonic camera. Please refer to the Configurator Reference Guide for more details.

In the table below:

• "<User Defined>", etc. Type in the desired name for the item.

Devices	Variable Name	Setting	Comments
Communication Device	N/A (See Note 1)	N/A (See Note 1)	
Video Cameras	Name	<user defined=""> (Default: Panasonic KX-HCM280A)</user>	
	Device Type	Panasonic KX-HCM280A	
	Location	<user defined=""> (Not Required)</user>	
	IP Address	<user defined=""> (Default: 192.168.0.80) (See Note 2)</user>	

Notes:

2. By default, set the first camera to 192.168.0.80, the second to 192.168.0.81, and so on.

^{1.} No Communication Device is needed: just add Video Cameras.