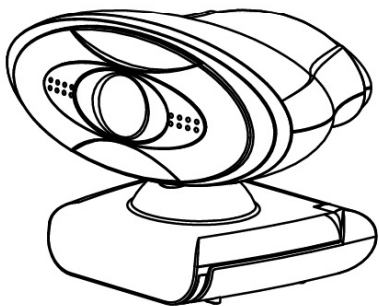


Monitoring Camera



USER MANUAL

Table of Contents

1.	Precaution.....	2
2.	Preparation.....	4
	● Components & Accessories.....	4
	● Part Names.....	5
3.	Initiate SMC from Mobile Device.....	6
	● Download the SMC App.....	6
	● Connect to the SMC via Wireless Network..	6
	● System Setting via SMC App for iOS.....	7
	● System Setting via SMC App for Android...	13
4.	Initiate SMC from PC.....	18
	● Connect to the SMC.....	18
	● Connect via the Wired.....	18
	● Connect via the Wireless.....	20
	● System Setting.....	22
	● Skype™ Setting.....	25
5.	Operate the SMC.....	26
	● Connect to Internet via Wired.....	26
	● Connect to Internet Wireless.....	26
	● Standby.....	26
	● Video Monitor.....	27
8.	Appendix.....	29
	● Specification.....	29

1 Precaution

Thank you for purchasing a **Monitoring Camera**. Please take a moment to read through this manual. Its contents will send you on an educational journey into your recorder multiple capabilities.

Before using the **SMC**, the **Monitoring Camera**, please ensure that you read and understand the safety precautions described below. Always ensure that the Monitoring Camera is operated correctly.

- Never operate the **Monitoring Camera** inside of an aircraft or anywhere else where operation of such devices is restricted. Improper use creates the risk of serious accident.
- Do not try to open the case of the **Monitoring Camera** or attempt to modify it in any way. High-voltage internal components create the risk of electric shock when exposed. Maintenance and repairs should be performed only by authorized service providers.
- Keep the **Monitoring Camera** away from water and other liquids. Do not use it with wet hands. Never use the **Monitoring Camera** in the rain or snow. Moisture creates the danger of fire and electric shock.
- Keep the **Monitoring Camera** and its accessories out of the reach of children and animals to prevent accidents or damage to the **Monitoring Camera**.

- If you notice smoke or a strange odor coming from the **Monitoring Camera**, turn the power off immediately. Take the **Monitoring Camera** to the nearest authorized service center for repair. Never attempt to repair the **Monitoring Camera** on your own.
- Use only the recommended power accessories. Use of power sources not expressly recommended for the **Monitoring Camera** may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.
- The **Monitoring Camera** may become slightly warm during use. This does not indicate malfunction.
- If the exterior of the **Monitoring Camera** needs cleaning, wipe it with a soft, dry cloth.

2. Preparation

Components & Accessories



Monitoring Camera



User Manual

Optional Accessories

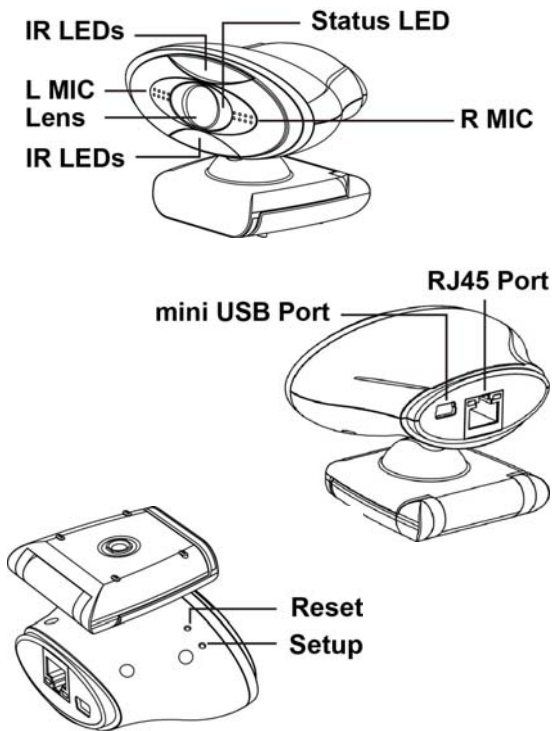


USB Cable



USB AC Adaptor

Part Name



Setup	Enter the System Setting mode.	
Reset	Restart	Press the Reset key when mini USB cable connected.
	Default	Press the Reset key and hold then plug-in the mini USB cable.

3 Initiate SMC from Mobile Device

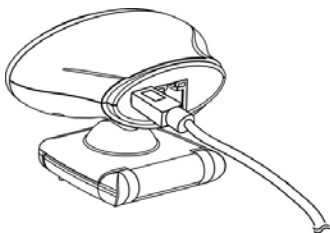
- **Download the SMC App**

SMC App is compatible with the iOS 5.0 or above and Android 2.2 or above.

1. Before using the **Monitoring Camera**, search and download the free App “**SMC**”.
2. Press **INSTALL APP** to install **SMC** in your mobile device.

- **Connect to the SMC via wireless network**

1. Connect the **USB AC Adaptor** with USB cable to the **mini USB Port**. (This mini USB port is for power supply only.)



2. The **SMC** launch automatic when the USB power supplied.

● System Setting via SMC App (for iOS)

1. Search the **SMC** icon.



2. Press the **SMC** icon to launch it.



3. Press “**Next**”.



4. Please make sure that you have created a new Skype™ account for the **Monitoring Camera**. Press “**Next**” if you already have the Skype™ account for SMC. If not, press “**Apply new SKYPE™ account**” first to create a new account for **SMC**.



5. Press the “Setup” key on the bottom of the **Monitoring Camera**. The red LED will blink after 10 seconds. Wait about 15 seconds until the steady red LED. Then press “Next”.



6. Find the **MAC Address** on the **Monitoring Camera** then press “Next”.



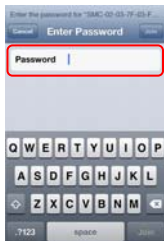
7. Find the Setting of the iOS and press the “WLAN”.



8. Search the same MAC Address from the “WLAN” Setup then select it as the SSID.



9. Key-in the password and press “**Connect**”. (default password : 1234567890)



10. Make sure the SSID of SMC has connected then press “**Return**”.



11. The SMC App show this error message if the SMC SSID connect failed. Please press the “**Wireless Settings**” again and repeat step 7 to 10.



12. The SMC SSID has connected correctly. Press “**Next**”.



13. Press “**Next**”.



14. Appoint a wireless SSID which must can connect to the internet for the **Monitoring Camera**. SMC will scan available wireless SSID and show them under “**Selection of SSID**”. Select one of them then press “**Next**”.



15. Press the “**Encryption Mode**” to select the matched mode.



16. Enter the matched “**Security Key**” and confirm it again. Then press “**Next**”.



17. Configure Skype™ account of the **Monitoring Camera**. SMC will use this account to log in in Skype™ server.



18. Enter Skype™ account and password and confirm again.



19. Press the **“Advance”** which allow you to revise the system status of the **Monitoring Camera** if needed. Press **“Back”** to quit the advance mode.



20. Press the **“Complete setting”** to finish **SMC** setting.



21. Press “**Exit**” to close SMC App.



● System Setting via SMC App (for Android)

1. Search the **SMC** icon.



2. Press the **SMC** icon to launch it.



3. Press "**Next**".



4. Please make sure that you have created a new Skype™ account for the **Monitoring Camera**. Press "**Next**" if you already have the Skype™ account for SMC. If not, press "**Apply new SKYPE™ account**" first to create a new account for **SMC**.



5. Press the “Setup” key on the bottom of the **Monitoring Camera**. The red LED will blink after 10 seconds. Wait about 15 seconds until the steady red LED. Then press “**Next**”.



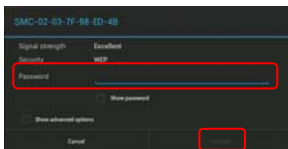
6. Find the **MAC Address** on the **Monitoring Camera** then press “**Next**”.



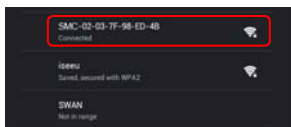
7. Search the same MAC Address from the “**WLAN**” Setup then select it as the SSID.



8. Key-in the password and press “**Connect**”. (default password : 1234567890)



9. Make sure the SSID of SMC has connected then press “**Return**”.



10. The SMC App show this error message if the SMC SSID connect failed. Please press the “**Wireless Settings**” again and repeat step 7 to 9.



11. The SMC SSID has connected correctly. Press “**Next**”.



12. Press “**Next**”.



13. Appoint a Wireless SSID which must can connect to the internet for the **Monitoring Camera**. SMC will scan available wireless SSID and show them under **“Selection of SSID”**. Select one of them then press **“Next”**.



14. Press the **“Encryption Mode”** to select the matched mode.



15. Enter the matched **“Security Key”** and confirm it again. Then press **“Next”**.



16. Configure Skype™ account of the **Monitoring Camera**. SMC will use this account to log in in Skype™ server.



17. Enter Skype™ account and password and confirm again.



18. Press the “**Advance**” which allow you to revise the system status of the **Monitoring Camera** if needed. Press “**Back**” to quit the advance mode.



19. Press the “**Complete setting**” to finish SMC setting.

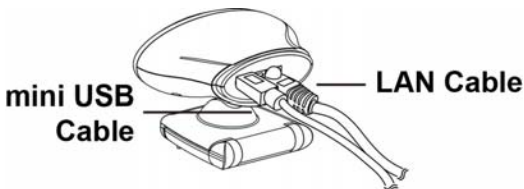


20. Press “**Exit**” to close SMC App.



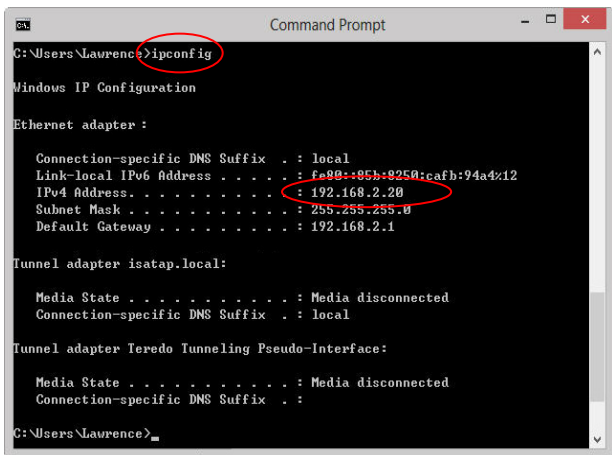
4 Initiate SMC from PC

- **Connect to the SMC - Monitoring Camera**
 - **Connect via the wired network**
 1. Connect the **RJ45 port** of **SMC** to PC / NB via a network wire.
 2. Connect the **USB AC Adaptor** with USB cable to the **mini USB Port**. (This mini USB port is for power supply only.)



3. The **SMC** launch automatic when the USB power supplied.
4. The system will need about 15 seconds to initiate after the LED of RJ45 connector blinking.
5. Press the Setup button. The Status LED blinking slowly with RED.
6. The status LED stop blinking and illuminate with RED when link with the network.

7. Run the Command Prompt and enter ipconfig command to check the network status to confirm the SMC has linked with PC / NB.



```
C:\Users\Laurence>ipconfig

Windows IP Configuration

Ethernet adapter :

    Connection-specific DNS Suffix  . : local
    Link-local IPv6 Address . . . . . : fe80::85b:8250:cafb:94a4%12
    IPv4 Address. . . . . : 192.168.2.20
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.1

Tunnel adapter isatap.local:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : local

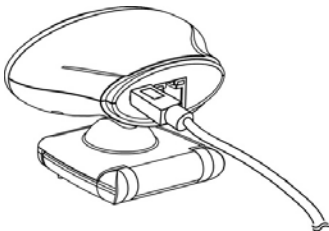
Tunnel adapter Teredo Tunneling Pseudo-Interface:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

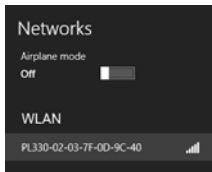
C:\Users\Laurence>
```

- **Connect via the wireless network**

1. Connect the **USB AC Adaptor** with USB cable to the **mini USB Port**. (This mini USB port is for power supply only.)



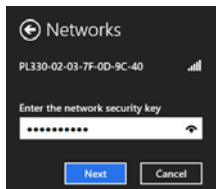
2. The **SMC** launch automatic when the USB power supplied.
3. Press the Setup button. The Status LED blinking slowly with RED.
4. The status LED stop blinking and illuminate with RED when link with the network.
5. Find the MAC Address on the SMC.
6. Search the same MAC Address from the **“Networks”** Setup then select it as the SSID of **SMC**.



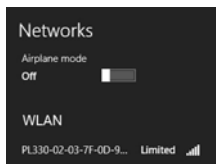
7. Select the **SMC** SSID and connect it.



8. Enter the network security key. (default : 1234567880)



9. Confirm SMC has connected with PC / NB.



● System Setting

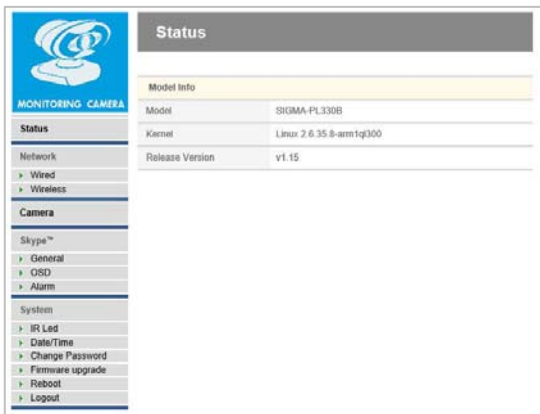
1. Open a browser and enter IP address **192.168.1.1** then press **enter**.



2. Click **Admin Login**. Key-in **admin** in the **Username** (without password) of Admin dialog then press **OK**.



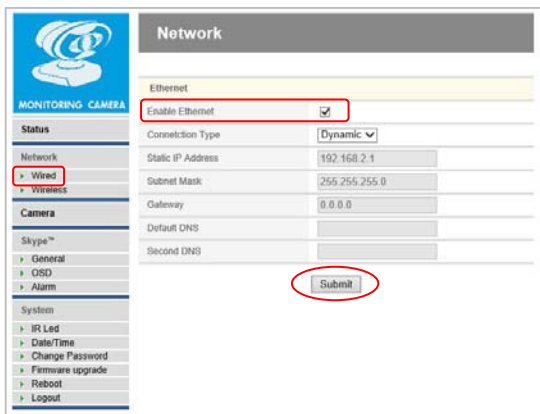
3. The System Setting screen appeared.



The screenshot shows the 'Status' page of a monitoring camera's web interface. On the left is a navigation menu with categories: MONITORING CAMERA, Status, Network (with sub-items Wired and Wireless), Camera, Skype™ (with sub-items General, OSD, Alarm), and System (with sub-items IR Led, Date/Time, Change Password, Firmware upgrade, Reboot, Logout). The main content area is titled 'Status' and contains a 'Model Info' table:

Model Info	
Model	SIGMA-PL330B
Kernel	Linux 2.6.35.8-amtq300
Release Version	v1.15

4. Select link to internet via **Wired** then click the check box of **Enable Ethernet** to enable the wired network.



The screenshot shows the 'Network' configuration page. The left navigation menu is identical to the previous screen, but the 'Wired' link under the 'Network' category is highlighted with a red box. The main content area is titled 'Network' and features an 'Ethernet' section with the following settings:

- Enable Ethernet: (highlighted with a red box)
- Connection Type: Dynamic (dropdown menu)
- Static IP Address: 192.168.2.1
- Subnet Mask: 255.255.255.0
- Gateway: 0.0.0.0
- Default DNS: (empty field)
- Second DNS: (empty field)

A 'Submit' button at the bottom of the form is highlighted with a red oval.

Or select link to internet via **Wireless** and select valid wireless from the **Scan List**. Click the check box of **Enable Wireless** to enable the wireless network.

The screenshot shows a web-based configuration interface for a monitoring camera. The left sidebar contains a menu with options: Status, Network, Wired, Wireless, Camera, Skype™, General, OSD, Alarm, System, IR Led, Date/Time, Change Password, Firmware upgrade, Reboot, and Logout. The 'Wireless' option is selected and highlighted in red. The main content area is titled 'Network' and has a yellow background for the 'Wireless' section. The 'Enable Wireless' checkbox is checked. The 'Scan List (ssid signal security)' dropdown menu is open, showing 'Not In List' selected. The 'ESSID' field contains the text 'SigmaTest'. The 'Encryption Mode' is set to 'WEP'. The 'Authentication Mode' is set to 'Open System'. The 'WEP KEY' field contains the text '1111111111'. The 'Use Dynamic IP' checkbox is checked. The 'Submit' button at the bottom is circled in red.

Network	
Wireless	
Enable Wireless	<input checked="" type="checkbox"/>
Scan List (ssid signal security)	Not In List
ESSID	SigmaTest
Encryption Mode	WEP
Authentication Mode	Open System
WEP KEY	1111111111
WPA/WPA2 PSK	
Use Dynamic IP	<input checked="" type="checkbox"/>
IP Address	
Subnet Mask	255.255.255.0
Gateway	
Default DNS	
Second DNS	
<input type="button" value="Submit"/>	

5. Press the **“Submit”** and finish the **System** Setting.

● Skype™ Setting

1. Select **General** under **Skype™** and enter the “**Skype™ Setting**”.
2. Enter Skype™ account and password which registered for this **Monitoring Camera**.

The screenshot shows the 'Skype™ Setting' page. On the left is a navigation menu with categories: MONITORING CAMERA, Status, Network (Wired, Wireless), Camera (Skype™, General, OSD, Alarm), and System (IR Led, Date/Time, Change Password, Firmware upgrade, Reboot, Logout). The 'Skype™' and 'General' options are highlighted with red boxes. The main content area is titled 'Skype™ Setting' and contains three sections: 'Account Setting' with fields for 'SKYPE Login Name' (kchong_demo2) and 'SKYPE Login Password' (p4330B), both highlighted with a red box; 'Call Setting' with a 'Call Mode' dropdown set to 'Only allow people in my Contact List to call me'; and 'Show/Hide Advance Setting' with a 'Submit' button highlighted by a red circle.

3. Press the “**Submit**” and finish the “**Skype™ Setting**”.
4. Press the “**Reboot**” and quit.

Note: 1. Create a new Skype™ account from PC / NB before use the **Monitoring Camera**.

2. Add all contacts who has permitted to login the Skype™ account of **Monitoring Camera**.

5 Operate the SMC

- **Connect to Internet via Wired**

Plug-in a network wire to the RJ45 port of the **SMC**. Connect the other connector of the network wire to a valid internet port.

- **Connect to Internet Wireless**

Disconnect the network wire from the **SMC**.

- **Standby**

1. Connect the **USB AC Adaptor** with USB cable to the **mini USB Port**. (This mini USB port is for power supply only.)

2. The **SMC** launch automatic when the USB power supplied.

3. The system need about 1 minute to initiate then connect to the internet and logo-in to Skype[™].

Note: The initiation time depend on the network performance and bandwidth.

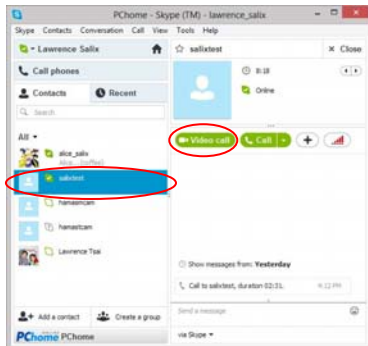
4. The Status LED illuminate in Green when the **SMC** has linked to internet and ready for video monitor.

● Video Monitor

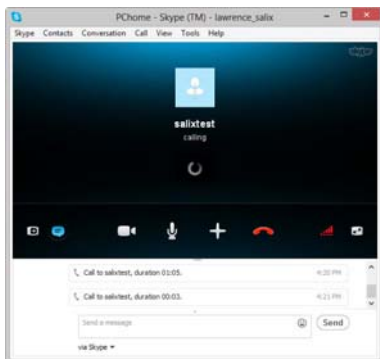
1. Launch the Skype™ and sign in with the “**Skype™ Name**” and “**Password**” which has added in the contact list of the **SMC**.



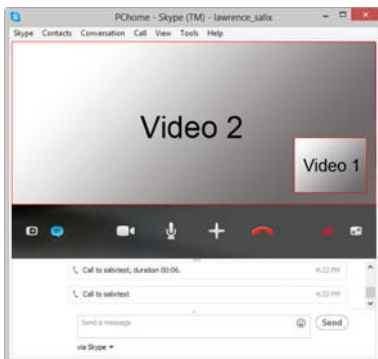
2. Click the contact of **SMC** you want to monitor from the contact list. Then press the ‘**Video call**’ button.



3. Your video window will appear on the bottom screen.



4. The **SMC** will answer incoming call automatically and the Status LED blinking with Green. The contact video will appear on the **Video 2** screen and your video display on the **Video 1** screen.



6 Appendix

- Specification

Model No.: SMC-1

Image Sensor	1/4", 2M (1600x1200) pixels, CMOS
Lens	F2.0, f=3.348 mm
Focus Type	Fixed Focus
Focus Range	60 cm to infinity
White Balance	Auto
Exposure	Auto
Video Encoder	H.264
HQ Video Conference	HD 720P @ 30fps
Audio Input	Built-in 2 Microphones
Wireless	IEEE 802.11b/g/n
Ethernet Connection	RJ45
Software	Skype™ App Built-in
Power	DC 5V (via mini USB Port)
Dimension	90 (W) x 65 (H) x 57 (L) mm

Specifications are subject to change without prior notice.

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

BT Device:

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Notice:

1. Users will automatically receive software upgrade notice when logged on to Skype account with your Skype client software on PC or mobile phone Apps.
2. Skype™ is a trade mark of Skype™ Limited or its related companies. This product / application has not been approved or endorsed by Skype™ Limited, Skype™ Communications S.a.r.l. or any of their related companies.
3. This product includes SkypeKit™ Version [3.7] Copyright 2003-2013, Skype™ Limited Patents Pending Skype™, associated trade marks and logos are trade marks of Skype™ Limited.
4. User can logged on to www.sigmadesigns.com for the SMC technical update information.



No emergency calls with Skype

Skype is not a replacement for your ordinary telephone and can't be used for emergency calling.

Technical Support:

TEL: 886 2 2792 1512

This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product.

