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【Attention】

Unpacking

Upon receiving the product package, please check for every item, if there is a shortage or merchandise damaged during shipping, please contact your local distributor ASAP.

Before using

Please ensure that you read and understand the safety precautions. Please refer to product introduction to prevent product damaged due to mishandling.

Test-Shooting

Before taking pictures of any important subject, please do the test-shooting to make sure the X-Loupe® is perfectly normal without any damage caused by shipping. In case of any problem, please contact your local distributor immediately

Precautions

WARNINGS

Please ensure that you read and understand the safety precautions before using.

To avoid the fire, electric shocks, or result in a body severe injury, please obey the following instructions.

1. Keep X-loupe[®] and its accessories away from children and infants. Contact a doctor if any dangerous situation occurs.
2. Do not aim this product at the Sun or blazed light sources.
Doing so may cause malfunction or damage the image sensor of camera (CCD.)
3. Keep X-Loupe[®] away from water or other liquids. The usage of damped or drowned X-Loupe[®] could result in fire or electric shock. Immediately turn off the power of X-Loupe[®] and remove the battery.
4. Keep X-Loupe[®] away from the heat source, and avoid its exposure to the direct flame or heat.
5. Do NOT disassemble, alter, or apply heat to the battery. Avoid any severe impacts which could damage the protective casing of the battery.
6. In case of any contact to the leaked substances from the battery, immediately flush the contacted skin, face, or cloth with large amount of water and ask for medical assistance.
7. To avoid the fire, explosion, or result in a body injury, please keep battery terminals away from metal or magnetic materials.
8. Before you discard a battery, please use the insulation tape to cover battery terminals to avoid direct contact with other object. Contact with metal or magnetic materials in waste container may result in fire, explosions, or body injury. Please recycle when possible.
9. DO NOT STARE INTO THE LED LIGHT ! This product equipped high-brightness LEDs, the visible and invisible radiation can damage your eyes. Never Stare Into the Light and DO NOT AIM THE LIGHT AT PEOPLE! Keep the product away from children!

If potential hazards are not eliminated, it may result in body injury, property/ financial loss, and the malfunction of the product. The following instructions are also applied to the warning of unsafe operation.

1. Avoid strong impacts or shocks of the equipment. Be careful NOT bump or push strongly on the lens. Do not touch the LED inside the Lens.
2. Do NOT use, place or store the equipment in a place with strong sunlight or high temperature.

CAUTION

3. Avoid using the equipment under the airtight or airless condition; otherwise, it may result in short circuit, overheating, explosion, fire, burns, or other accidents. High temperature could deform the sharp of casing.
4. If not using the equipment for a long period of time, please remove the battery from the equipment and the battery charger, then store them in a safe place. Improper usage of the battery could make the battery exhausted in a short time.
5. Use the included charger to charge the battery. Do not charge the battery with other branded chargers; otherwise, product breakdown, overheating, fire, electric shock, or body injuries might occur.
6. Before you move the equipment rapidly from a cold place to a hot place, please place the equipment inside a sealed plastic bag to allow its gradual adaptation with the ambient temperature. As well as avoid the water condensation which cause the mechanical problems. Moving the equipment rapidly from cold to hot temperatures may cause condensation (water droplet) to form in the inside or on the surface of the equipment.

After Reading, Keep the User Guide Handy for Future Reference

★X-Loupe® is protected by the following patents:(up to 2011/07)

China patent NO.	Japan patent NO.	Taiwan patent NO.	USA patent NO.	Germany patent NO.
1004656	3138313	M315340	US7,327,526B1	Nr. 20 2007 016 015.1
1006570	3139250	M315354	US7,612,945B2	Nr. 20 2007 014 240.4
1085489	3120470	M313792	US7,821,569B2	Nr. 20 2006 001 999.5
1617903	3142494	M292708	US7,701,569B2	
1370475		M324200	US7,853,737B2	
1481234		M332873		
		M385006		
		M306098		
		M374055		

★ In the interest of continually improving products, Lumos Tech. reserves the right to update or modify information contained in this manual without prior notice.

★ Product image of this manual is for reference only and actual product appearance may vary.

About “X-Loupe[®] MightyGetter (MGP4_PLUS)”

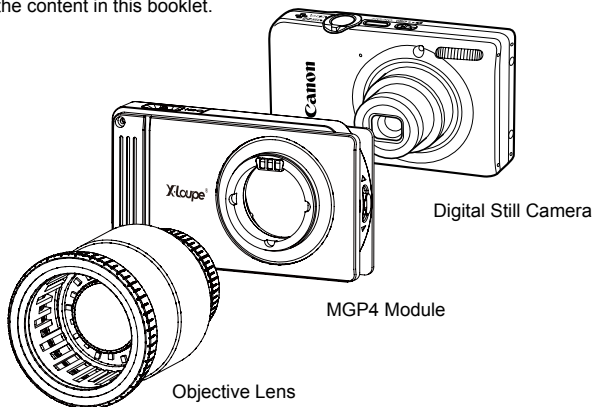
Thank you for your purchase of X-Loupe[®] MightyGetter (MGP4_PLUS) to take Latent Print /fingerprints.

This trailblazing tool is with built-in Dual LED Ring light in lens, sustained and stable high-brightness for feature, it provides the fixed working distance of shooting which efficiently makes the size of fingerprint taken normalized, the way of filing photos as required to be archived in the database is easier than before, therefore enhance the file quality control. Device interface is simple, setup only need a few seconds to be done, and easy to operate. Besides the <White + Blue> light sources, other custom-made light source is available.

MGP4_PLUS is now compatible with Canon PowerShot D10 & GLPH 100HS.

This manual was written to help you enjoy using with your MGP4. Read this manual thoroughly before using, and keep it where all those who use the product will read it. Store this guide safely so that you can use it in the future.

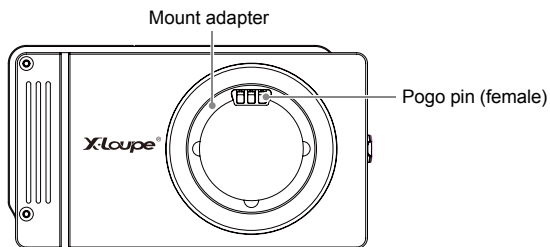
For more information or downloading this user guide, please visit our website at <http://www.x-loupe.com.tw>. Please read the copyright declaration prior to the usage of any part of the content in this booklet.



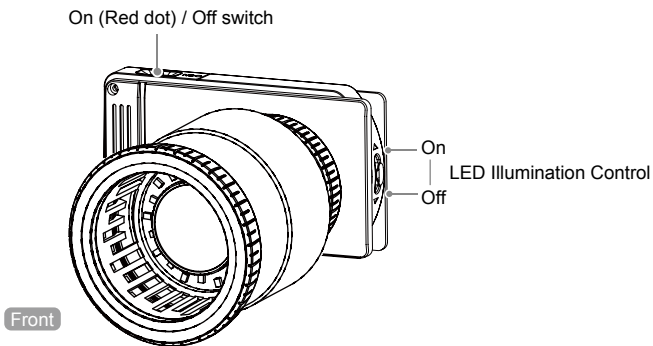
Structure profile of X-Loupe[®] MGP4_PLUS 《Camera not included》

Components

Front of Module

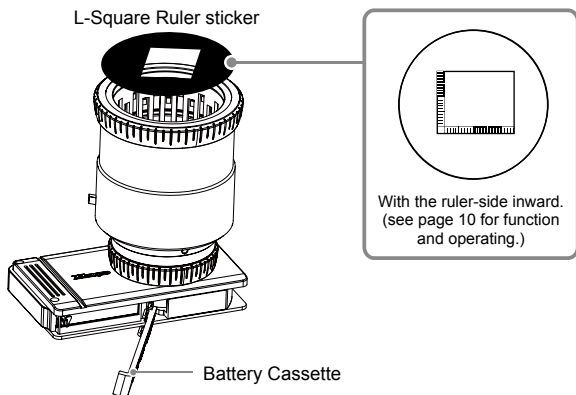


<Without Lens>

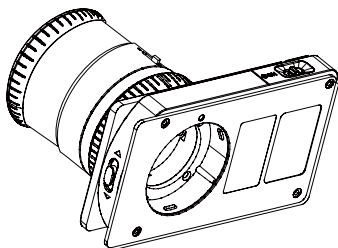


Interchangeable 30X Object Lens for Latent print
/ Fingerprint Capture

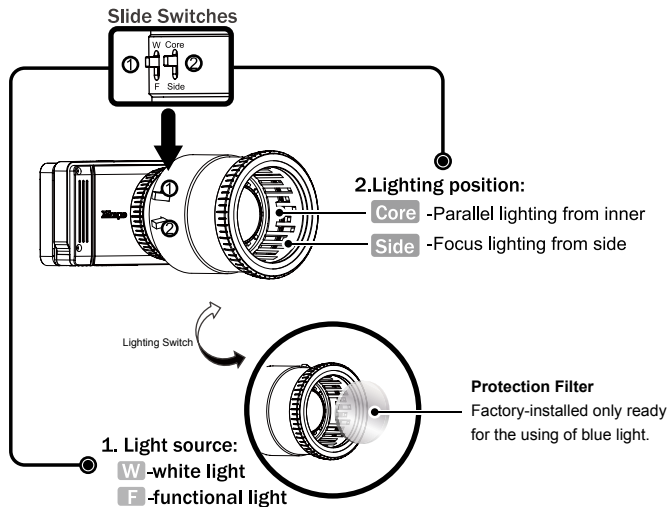
Components



Back of Module

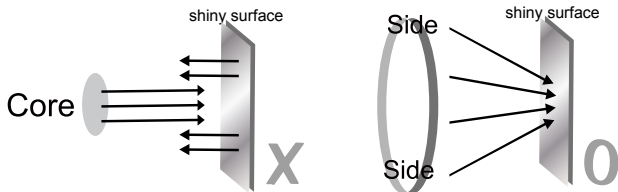


Light Source



<Tips>

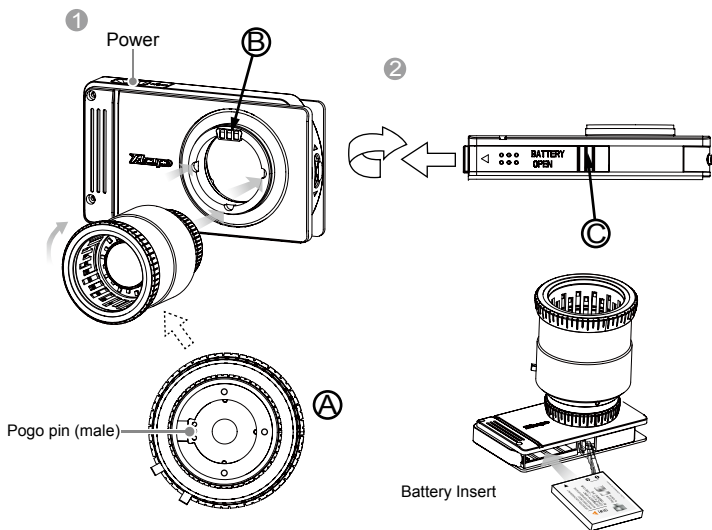
The two illumination positions make the lights are perpendicular to one another.
While the object surface is reflective, switch to (Side), do not use the (Core).



Product Assembly

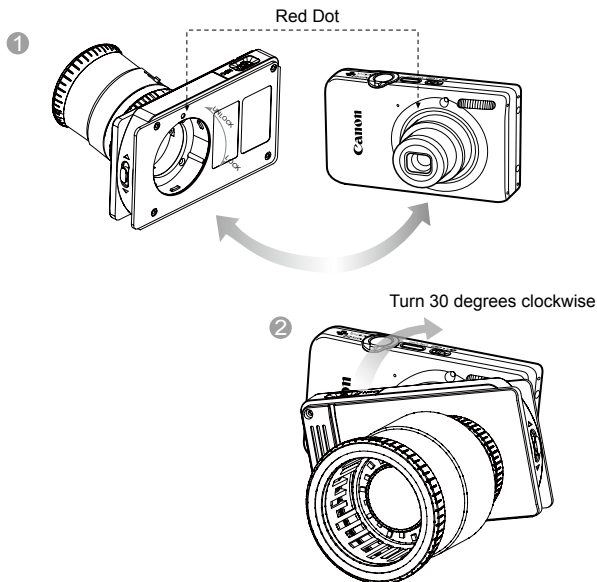
1 Mounting the lens on Module :

- (1) Get the lens and align the pogo pin -3 pin male header and 3 bolts on the rear of lens- (A), into the pogo pin female header and 3 notches-(B) on lens mount of module (fig. 1), then attach the lens to module.
 - (2) Rotate the lens spiral tooth clockwise until it is tight. **But do not over-tighten!**
 - (3) Open the battery cover on the button (press C and to slide the battery cover in the direction indicated by the arrow,) and fill in fully-charged X-Loupe® NB-4L Li-ion battery.(fig. 2)
- Caution: NB-4L Li-ion battery charging 4 hrs for the first time;
1.5 hours for general usage.
- (4) Turn on X-Loupe® module power. It will light up if handling is correct.



2 Mounting the Module with Camera :

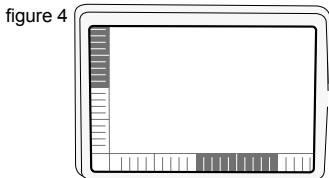
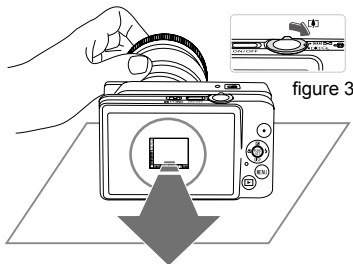
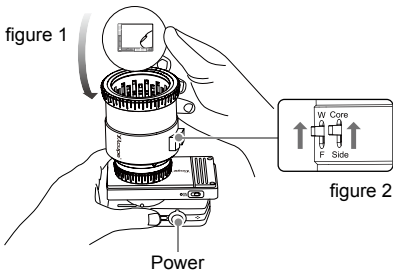
- (1) Align the red positioning mount dot on the mount ring (at the rear of module) with the red dot above the camera mount.(fig. ①)
- (2) Attach module to camera and turn 30 degrees clockwise, until both bodies are completely stable union.(fig. ②)
- (3) Turn on the camera and module power. The image will appear on LCD screen indicate the handling is correct. ⚠ If the lens barrel can not extend properly, or error code shows on camera monitor, please refer to the troubleshooting section of this manual ; If unable to solve, please immediately contact your distributor for assistance, do not try to modify X-Loupe® product by yourself in any way.



Product Assembly

3 Steps in positioning and bonding of L-Square Ruler

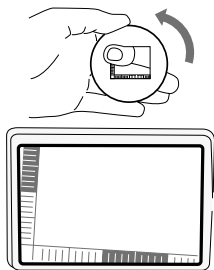
- (1) Have the lens cleaning cloth placed on the table (to avoid a rub of camera LCD screen), then set the assembled finished MGP4_PLUS upright on; the way holding camera as shown in Figure 1.
- (2) Make sure the light setting switched on W & Core.(Figure 2)
- (3) Face the ruler side of the sticker (still keep the plastic film), and then place it fitted into the groove of lens top.



- (4) With left hand hold the front of lens to keep the sticker position while make the lens barrel with camera body forward lay down flat on the table as shown in Figure 3.
- (5) Turn on both power of Camera and Module; the image will appear on LCD screen as shown in Figure 3. Move the zoom lever (at the upper right of camera) toward [Z], till the image is enlarged as shown in Figure 4.

Oblique Image Rectification

If the image of L-Square Ruler is slanted, with the left point finger to hook into the Ruler while adjust the image. (The scale line of ruler should along the edge parallel to frame of screen).



- (6) Once the L-ruler is close to the screen frame which look like a double- L, with left hand to fix the position while re-erect the lens barrel as shown in Figure 5.
- (7) Make pencil marks across the edges of L-ruler and lens so that can be replaced at this position (shown as figure 5, upper right);
- (8) Then tack out L-ruler sticker, remove the plastic cover now, once again align the marks while replace it into the groove, then gently press the adhesive edge for fixed.

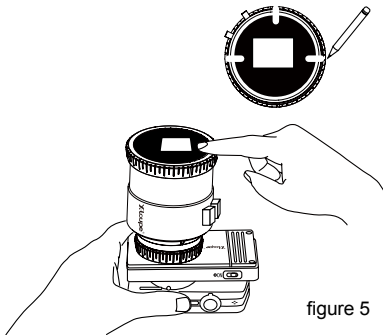
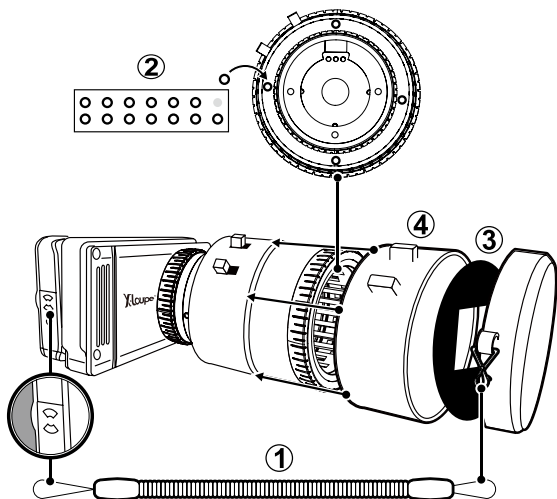


figure 5

Product Assembly

4 Accessories instructions for use

The following items for your own choice whether to use, does not affect the overall function of MGP4_PLUS.



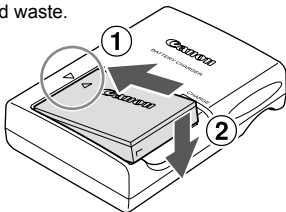
Items	Usage
① Lens Cover Strap	For the lens cover stay with the camera to prevent loss. ▶ Attach the long loop end of strap to camera strap post, and connect the other end with the hook on lens cover.
② Contact Dot	Stick on the lens barrel top to minimize the contact area while shooting.(On the spot used especially for the latent print of crime detection.)
③ L-Square Ruler Sticker	To meet the image measuring requirement.(see P10)
④ Switch Dustproof Cover	Prevent dust from getting into the switch.

Attention/Warning for the Battery Charging

Please use the included charger to charge the battery and go by following steps to charge the battery

- (1) Align the ▲ marks on the battery and charger, then insert the battery by sliding it in ① and down ② .
- (2) Plug the battery charger into the power outlet, or attach the power cord to the battery charger and plug it into a power outlet then the Charging Signal will light on.
 - Steady Red: charging; Steady Green: charging completed.
 - Alternate Red and Green: battery malfunction
- (3) If the Charging Signal does not light on after plug in the battery charger, please check the following:
 - a Battery loose from the battery charger?
 - b Does the power outlet switch ON?
 - c Check other factors which might affect the power supply of the outlet.
 - d Ask the expert for help to check the power outlet, or change another one to try again.
- (4) After full charge, remove the battery from charger. Do not leave a fully charged battery connected to a charger, since overcharging may shorten its lifetime. Unplug the charger from the electrical plug when not in use.
- (5) DO NOT use the battery charger in humid circumstances.
- (6) DO NOT dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible.
DO NOT dispose as household waste.

Follow the direction to fill in battery



★Notice and Preparation for Micro-Photography

1 X-Loupe® Basic Setup before using

After assembling, do the following check procedures before shooting.

- (1) Loaded and ready the battery and memory card into the camera.
- (2) Select the lens as desired and assemble it onto the X-Loupe® module.

How to choose a proper magnification lens?

- ◎Field of View: The larger magnification, the smaller field of view, and vice versa.
- ◎Depth of Focus: The larger magnification, the smaller depth of focus, and vice versa
- ◎Moving Speed of the object: The faster object is moving, and the objective lens with smaller magnification should be used in order to obtain clear pictures. It is useful while taking picture for a living thing such as insects and the earthworm.

- (3) Turn on X-Loupe® and camera. The camera lens should stretch out, and there will be image circle observed on the LCD monitor (Shown at left), and it's normal. Then you have to adjust the camera to its maximum optical value, (refer to next page "Camera Setup before using", to start digital zoom), and this will be the standard optical zoom value for operating X-Loupe®.



- (4) Remember to turn OFF the camera flash whenever you are using X-Loupe®.

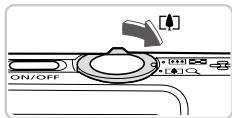
2 Camera Setup before using / while using for Micro-Photography


All the settings of camera collocated with the X-Loupe® have been altered to meet the micro-photography prior to its shipping. Afterward, if there's any setting changed, please refer to the following setting list.

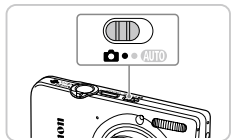
- (1) Adjust the zoom to its maximum optical value for micro-photography.
- (2) Manual Mode is required for micro-photography. Do Not use Macro / Infinity Shot Mode.
- (3) Set the Exposure Compensation to zero.
- (4) Set the White Balance to Day Light Mode while using the Light Source of X-Loupe®.
- (5) Set the Tone of an Image to Vivid.
- (6) Set the Metering System to Evaluative.
- (7) Turn OFF the flash for micro-photography.





★Notice and Preparation for Micro-Photography

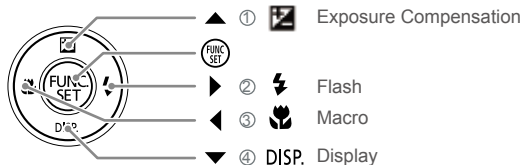
The Setting based on Canon PowerShot ELPH 100 HS/ IXY Digital 210 F is for reference and revision, and other type as well










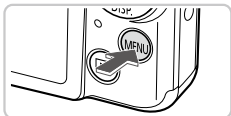
- (1) Move the zoom lever toward , the sign of 4X for its maximum optical value should show up on LCD monitor.



- (2) Set the mode switch to . After pressing the  button, press the  buttons to choose P; then press  to set the **P Mode** as the Manual Mode(Refer to Camera User Guide p.64)



Settings Instruction	
① 	Adjusting the Brightness - Enter Exposure Compensation mode.press the ▲ button; press the ◀▶, set to ±0, then press the  button. (Camera User Guide Page.85)
② 	Press the button ▶,choose  , then press  to turn the Flash off. <Notice> It's likely to turn the flash back on by careless touch!
③ 	 Do Not start the Macro shot Mode.
④ DISP.	Switching the Display -You can also switch the display by pressing the ▼ button while the image displays right after shooting





- (3) Press the MENU button. There are menu items (/) organized under tabs. Set the mode switch to and the camera is in P mode. Then follow the function setting below.
























MENU	Suggestion setting	MENU	Suggestion setting
AF Frame	Center	i-Contrast	Off
AF Frame Size	Normal	Review	2 sec.
Digital Zoom	Standard *1.	Review Info	Off
Magnifying the Focal Point	On *2	Blink Detection	Off
AF-Point Zoom	Off	Grid Lines	Off
AF-assist Beam	Off	IS Mode	Continuous
Flash Setting	—		

Tips:


- *1. For inspection purpose, the bigger digital zoom you use the less picture quality you get. However, it helps user to view the subject in an easy way. For micro-photography purpose, suggest using optical zoom only in order to have better picture quality, and check the file with larger magnification on the LCD monitor.
- *2. If the [AF Frame] is in [Center] , it will not appear magnified if the camera cannot focus.

★Notice and Preparation forMicro-Photography

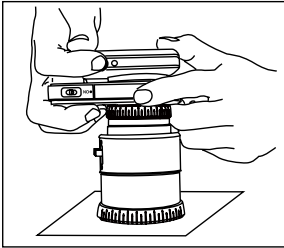
- (4) Press the  button. the screen will display the 【 Main Diagram 】 of functions settings, press the  button go to next options screen, according to 【 Sub diagram 】 as follows to choose shooting condition.

Main Diagram			Sub-diagram	
Icon	Item		Icon	Item
	Light Metering		Center Weighted Avg.	
	My Color		Vivid	
	White Balance		Day Light	
	ISO Speed		Auto * ³	
	Rec. Mode		Program	
	Self-Timer		Self-Timer Off * ⁴	
	Drive Mode		Single Shot * ⁵	
	Still Image Aspect Ratio		Still Image Aspect Ratio * ⁶	
	Recording Pixels		12M 4000X3000	
	Compression		Fine	
	Image Quality(Movies)		1920x1080	

Tips:

- *3. Changing the ISO Speed
Lowering the ISO speed results in sharper images, but there may be an increased chance of image blurring in certain shooting conditions. Raising the ISO speed will result in a faster shutter speed, reducing camera shake and letting the flash reach greater distances to the subject. The images, however, will appear coarse.
<Hint > Get the setting on ISO 100/200, not over ISO 400 for micro-shooting.
- *4.  Using the Self-Timer
To reduce the influence of vibration during shooting, please use Self-Timer for better performance (refer to PowerShot 110HS User Guide Page 58.)
- *5. Single shooting is the default setting. In a circumstance where stable posture is hard to maintain, or the subject is moving or trembling, please choose Continuous Shooting Mode to take more pictures for getting better results.
- *6. The **4:3** aspect ratio is same as the screen for this camera. The digital zoom (Camera Manual P.55) is only available in **4:3**.

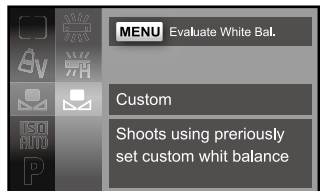
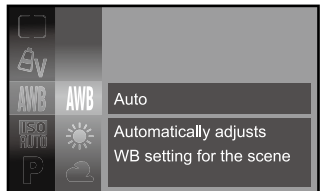
Adjusting the White Balance



Due to the default setting in White Balance (WB) of Canon camera has been altered to meet the micro-photography requirement prior to its shipping, but it also can be adjusted to the function of **【 Custom White Balance 】**, to match the need of the light source at the shooting location. (See the camera CANON IXUS 115HS user guide page 86.)

It's another way for Manually Correcting the **WB** if there's no plain, white colored subject could be entirely filled in the screen.

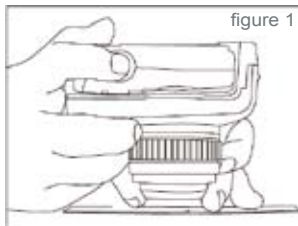
1. Get one white paper in the front of the lens for reference of Custom **WB**.
 2. After pressing the **FUNC SET** button of camera, press the **▲▼** buttons to choose **AWB**, then press the **FUNC SET** button again.
 3. Press the **▲▼** buttons to choose **☐**, then press the **FUNC SET** button again for setting done.
 4. Make lens approach the white paper enables it to be filled in the screen. And press **MENU** button; the tint on the screen will change when **WB** new data is set.
- < Note > It is useless to adjust **WB** while the light source is in the mode of Blue, UV, or using the lens filter.



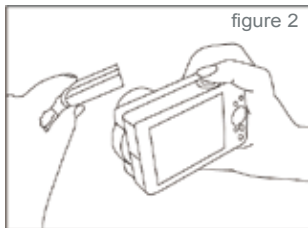
★Basic Getting Started Tips for Beginning Player

(1) Hands in proper way to grip device

Sitting on the chair as much as possible, and prop elbows on the table top to hold steady. Grip the object lens with Left hand thumb and index finger; slightly move around the camera up and down to reach the best working distance; First press the shutter button lightly (halfway) to focus, then press fully (all the way) to take the shot.



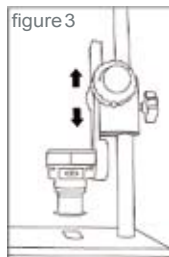
(2) One-handed operation for shooting



Sitting on the chair as much as possible, and prop elbows on the table top to hold steady. Holding the object with left hand (figure 2) or put it on the table, then holding camera with right hand and put the index finger on the shutter button for ready; Since the shot is being taken, while suspend breath to avoid hand vibration.

(3) Take the pictures with the stand

For the long time or steady shooting, use X-Loupe® series stand for doing up-and-down fine-tuning of focusing. Mount the X-loupe® on the stand and set the object on the stage then ready for shooting. An alternative is to use the camera's self-timer (for this part of setting, please refer to the camera manual); just to set a short-time shutter and start, then move right away from the camera, or presses it with a wired remote; these tips will reduce hand-shake and blur images.



※How To Focus?

Center the subject you want in focus and press the shutter button halfway. If the camera cannot focus, the AF frame will appear yellow. Slightly change the focus ranges (the distance range from your subject) till the AF Frame turns green, then press the shutter fully.

Troubleshooting & Storage

Troubleshooting

- (1) About the troubleshooting of camera, please refer to the Camera User Guide.
- (2) The built-in LED of lens barrel is not bright
 - a. Check the battery power.
 - b. Disassemble the lens and assemble it back to the module again. Make sure that the assembling of the lens and module is correct.
 - c. Check the brightness index of module lighting is not set to zero. If it is, set back to “entire bright” or the suitable brightness.
- (3) Error code shown on camera display- the lens barrel of camera can not stretch out or retract
 - a. Turn off the camera power to make the lens retract. Disassemble camera from the X-Loupe® module, and turn on the power of the camera again. The lens of the camera should be able to stretch out.
 - b. If the problem is not solved, contact your local distributor; never try to fix the camera lens by force because it might void the warranty.
- (4) Could not see the full field of view on the camera monitor
 - a. Adjust the Zoom of camera to Maximum so that the full field of view can be obtained.
 - b. Check the camera lens and make sure that the lens is able to stretch out and Zoom Function is working.
- (5) Out of Focus
 - a. Adjust the direction or posture while shooting.
 - b. Press the shutter halfway and adjust the distance between the subject and lens to reach the best focus.

c. X-Loupe® is a contact-based digital microscope; therefore, do not take the picture out of its short working distance.

(6) The battery is fully charged, but lasts for shorter and shorter time:

The lithium battery can only be recharged for certain amount of times, but it will eventually wear out. Please purchase a new battery from your local distributor.

(7) Hardware malfunctions such as slipped power switch or fatigue pin :

Please contact your local distributor.

(8) Whether setting has been varied? (refer to P.14 & 15 of this manual)

And the changes in setting may lead to the function of micro photography is ineffectual.

How to keep X-Loupe®

- (1) It is advised to use X-Loupe® in a moisture-free environment and keep away from water.
- (2) Keep X-Loupe® in the dry environment such as a dry box, and get some desiccants inside the storage case/ box.
- (3) If you purchased the optional “X-Loupe® specialized carrying case”, just put it back into the carrying case after using, and get some desiccants inside if necessary.

Safety Testing Laboratory
EMC verification services
37, Jln. K. Wahana 8/1, Murni Indah 2, Tanger. B.G.22
Tanger. B.G. 15121

Report No. : STSL/2015
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FCC CLASS B VERIFICATION REPORT (DOC)

Report No : F2015040
Applicant : Lumina Technology Co., Ltd.
Address : 37, Jln. K. Wahana 8/1, Murni Indah 2, Tangerang, B.G.22

Equipment Under Test (EUT) :
Name : M204 PLUS
Model No. : M204 PLUS
Serial No. : N/A
Standard : FCC PART 15, SUBPART B, CLASS B
CISPR 11 : 2005-01-1 : 2005, CLASS B
ANSI C63.4 : 2005
EMC002 : 2005-01-1 : 2007, CLASS B

Date of Receipt : 8 April 2015
Date of Test : 8 April 2015 ~ 10 April 2015
Date of Issue : 10 April 2015

Test Result : **PASS**

In the configuration tested, the EUT complied with the standards specified above.
Remarks:
This report states the results of the testing carried out on one sample. The results contained in this test report do not extend to other variants of the same product. The manufacturer should ensure that all products in volume production are in conformity with the product sample tested in this report.

Ryan Tang
Safety Testing Laboratory Co., Ltd.



Declaration of Conformity

This certifies that the following designated product:

Name: M204 PLUS
Model: M204 PLUS

(Product Identification)

is in herewith certified and found to comply with the requirements FCC, regulation Part 15, Subpart B of CFR 47 for the evaluation of electromagnetic compatibility.

The relative test specifications are as following:
Section 15.107(a) for Radiated Emissions

The testing of compliance was performed by the Safety Testing Laboratory Co., Ltd and the test report number is as following: F2015040

Other FCC Information:

Operation is subject to the following two conditions: (1) the device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

(Identification of responsible / signatories)

This declaration is the responsibility of the manufacturer / importer

Lumina Technology Co., Ltd

37 Jln. K. Wahana 8/1, Murni Indah 2, Tangerang, B.G.22

(Name / Address)

MANUFACTURER / IMPORTER

Abh. K. Jay Apr. 13, '15
(Sign) (Date)



EC DECLARATION OF CONFORMITY

The following

Applicant : Lumox Technology Co., Ltd.
 : 7F, No.8, Wanhua St., Wenshan District, Taipei 116, Taiwan, R.O.C
 Product : B204 PLUS
 Model No. : B204 PLUS
 Report No. : SE2K1164B

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility(2004/108/EC).

For the evaluation of above mentioned Directives, the following standards were applied:

- (EMC standards)
- 1) EN 55022 : 2006+A1 : 2007(Class B)
 - 2) EN 61000-3-2 : 2006+A1 : 2009+ A2 : 2009
 - 3) EN 61000-3-3 : 2008
 - 4) EN 60204 : 1998+A1 : 2001+A2 : 2003
 IEC 61000-4-2 : 2004 IEC 61000-4-3 : 2006+A1 : 2007
 IEC 61000-4-4 : 2004 IEC 61000-4-5 : 2006 IEC 61000-4-6 : 2008,
 IEC 61000-4-8 : 1999+A1 : 2000 IEC 61000-4-11 : 2004

The following manufacturer is responsible for this declaration:

Lumox Technology Co. Ltd
 7F, No.8, Wanhua St., Wenshan District, Taipei 116, Taiwan, R.O.C

Taipei, Apr. 23, '14

Issue place and date

Chia-Jy Yang
 Signature of responsible person



ELECTRONICS TESTING CENTER TAIWAN

ETC is exerting its effort for the development of environment technology and as well it provides a variety of technical support related to our customers on product testing and certification such as **WEEE,EMF,ERP,EU,Fluores,EPFAT, China RoHS** ,etc.

At the time, ETC is an accredited laboratory in conformity with the ISO/IEC 17025 standard on chemical analysis such as **REACH,REACH,PFOS,PFOA,PAHS** ,etc. We are accredited by the following institutions:



- China Quality Certification Center (CQC)
- Taiwan Accreditation Foundation (TAF)
Lab No. 1117
- International Laboratory Accreditation Cooperation(IAC)
- Bureau of Standards Knowledge & Inspection (BSKI)
- Environmental Protection Administration(EPA)
- TUV-SUD / Germany



VERIFICATION

of conformity with European EMC Directive

Documentation holder : Lumon Technology Co., Ltd.
 7F, No.8, Wenhua St., Wenshan District, Taipei 116, Taiwan.
 R.O.C

Type of equipment : MGPA PLUS
 Type designation : MGPA PLUS
 Report No. : MS041048

A sample of the equipment has been tested for CE-marking according to the EMC Directive 2004/108/EC.

Standard(s) used for showing compliance with the essential requirements of the directive:

- EMC Directives:
- 1) EN 55022 : 2006+A1 : 2007(Class B)
 - 2) EN 61000-3-2 : 2006+A1 : 2009+ A2 : 2009
 - 3) EN 61000-3-3 : 2008
 - 4) EN 55024 : 1998+A1 : 2001+A2 : 2003
- IEC 61000-4-2 : 2006, IEC 61000-4-3 : 2006+A1 : 2007, IEC 61000-4-4 : 2004
 IEC 61000-4-5 : 2006, IEC 61000-4-6 : 2006, IEC 61000-4-8 : 1993+A1 : 2000,
 IEC 61000-4-11 : 2004

The attached test report(s) show that your product fulfils the requirements in the EMC Directive for CE-marking. On this basis, together with the manufacturer's declaration, you are authorised to affix the CE mark to the product. Agreement is understood to be given by the CE-Designation of Conformity with compliance with the EMC Directive.



Approved by: *Ryan Tang*
 Ryan Tang
 SET - Certification and Testing Services
 April 18, 2011

Safety Testing Laboratory Co., Ltd

5F, No.2, Lane 31, Zhong Xiao Street, Junghe City, Taipei County, Taiwan

Date of Issue:04.18.2011
Report No:SEZK11049



EMC TEST REPORT

According to

- 1) EN 55022 : 2006+A1 : 2007(Class B)
- 2) EN 61000-3-2 : 2006+ A1 : 2009+ A2 : 2009
- 3) EN 61000-3-3 : 2008
- 4) EN 55024 : 1998+A1 : 2001+A2 : 2003

IEC 61000-4-2 : 2006
 IEC 61000-4-3 : 2006+A1 : 2007
 IEC 61000-4-4 : 2004
 IEC 61000-4-5 : 2005
 IEC 61000-4-6 : 2006
 IEC 61000-4-8 : 1993+A1 : 2000
 IEC 61000-4-11 : 2004

EQUIPMENT : MGPA PLUS

MODEL NO. : MGPA PLUS

SERIAL NO. : N/A

APPLICANT : Lumon Technology Co., Ltd.

7F., No.8, Wanhua St., Wenshan District,
Taipei 116, Taiwan, R.O.C



Approved By: *Ryan Tang*
 Ryan Tang
 SET - Certification and Testing Services
 April 18, 2011

Note:

This test report refers exclusively to the main item tested, model no. MGPA PLUS.
 The test results shall not be reproduced except in full, without the written approval of Safety Testing Laboratory Co., Ltd.
 This document may be altered or revised by Safety Testing Laboratory Co., Ltd. Personnel only, and shall be noted accordingly on the report.
 Test Site: No.15-1, GONGSHAN HENG, GONGSHAN VILLAGE, LINDOU, TAIPEI COUNTY, TAIWAN, R.O.C.

■ Safety Testing Laboratory Co., Ltd

■ 5F, No.2, Lane 31, Zhong Xiao Street, Junghe City, Taipei County, Taiwan

