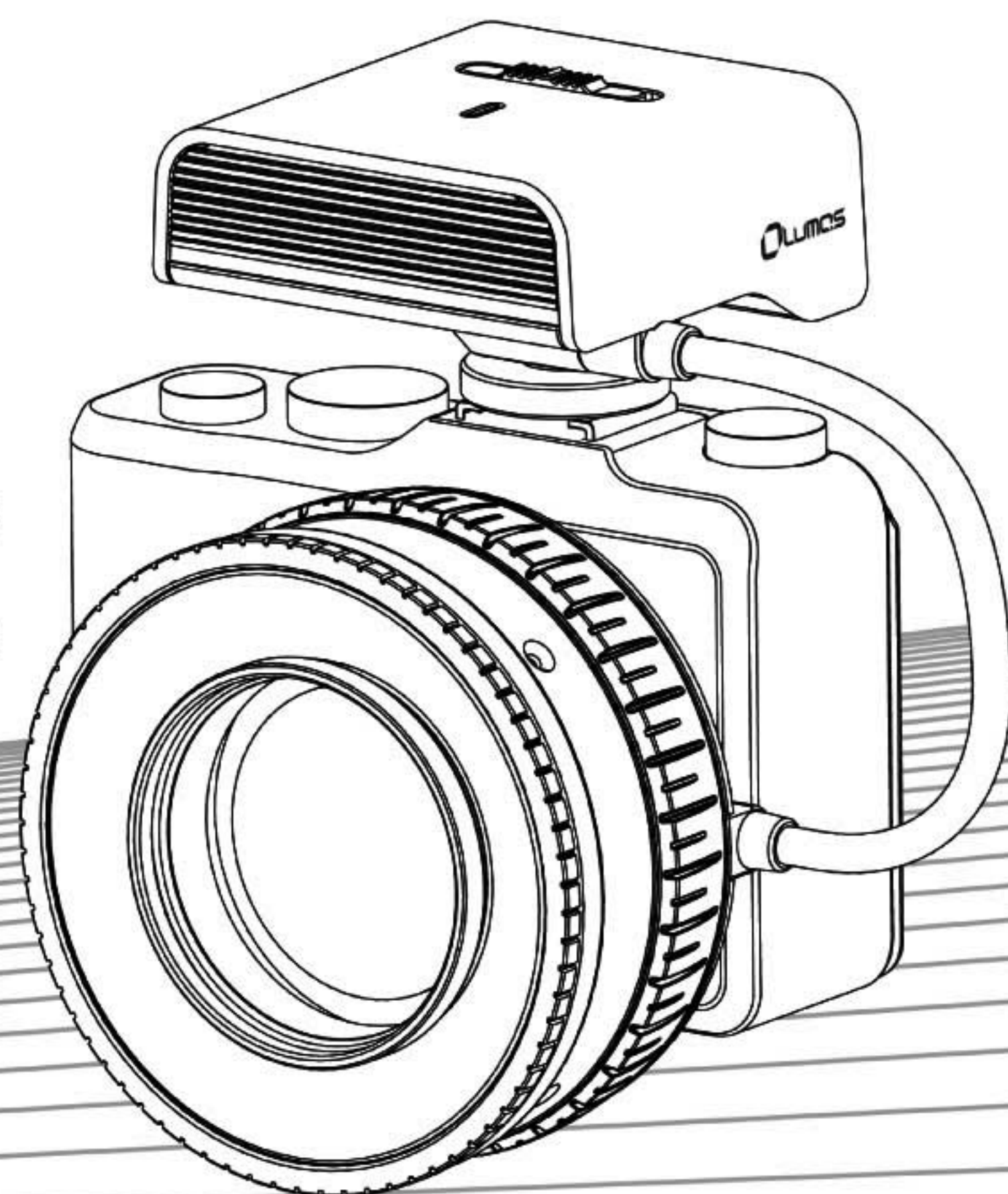




Ultra Close-up Ring Light
UCRL *User Guide*



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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.

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 UCRL and its accessories away from children and infants. Contact a doctor if any dangerous situation occurs.
2. DO NOT STARE INTO THE LED LIGHT. ! This product equipped high-brightness LEDs, the light can damage your eyes. Never Stare Into the Light and DO NOT AIM THE LIGHT AT PEOPLE!
Keep the product away from children!
3. Keep UCRL away from water or other liquids. The usage of damped or drowned UCRL could result in fire or electric shock. Immediately turn off the power of UCRL and remove the battery.
4. Keep UCRL 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.

CAUTION

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 part of LED Ring Light.
2. Do NOT use, place or store the equipment in a place with strong sunlight or high temperature.

Precautions

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 store them in a safe place. Improper usage of the battery could make the battery exhausted in a short time.
5. Use the included AC power supply (Switch Adaptor) to charge the battery. Do not charge the battery with other AC power Supply ; 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. Move 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® UCRL is protected by the following patents:

China patent NO.	Taiwan patent NO.
1379186 1444176	M363750 M375227

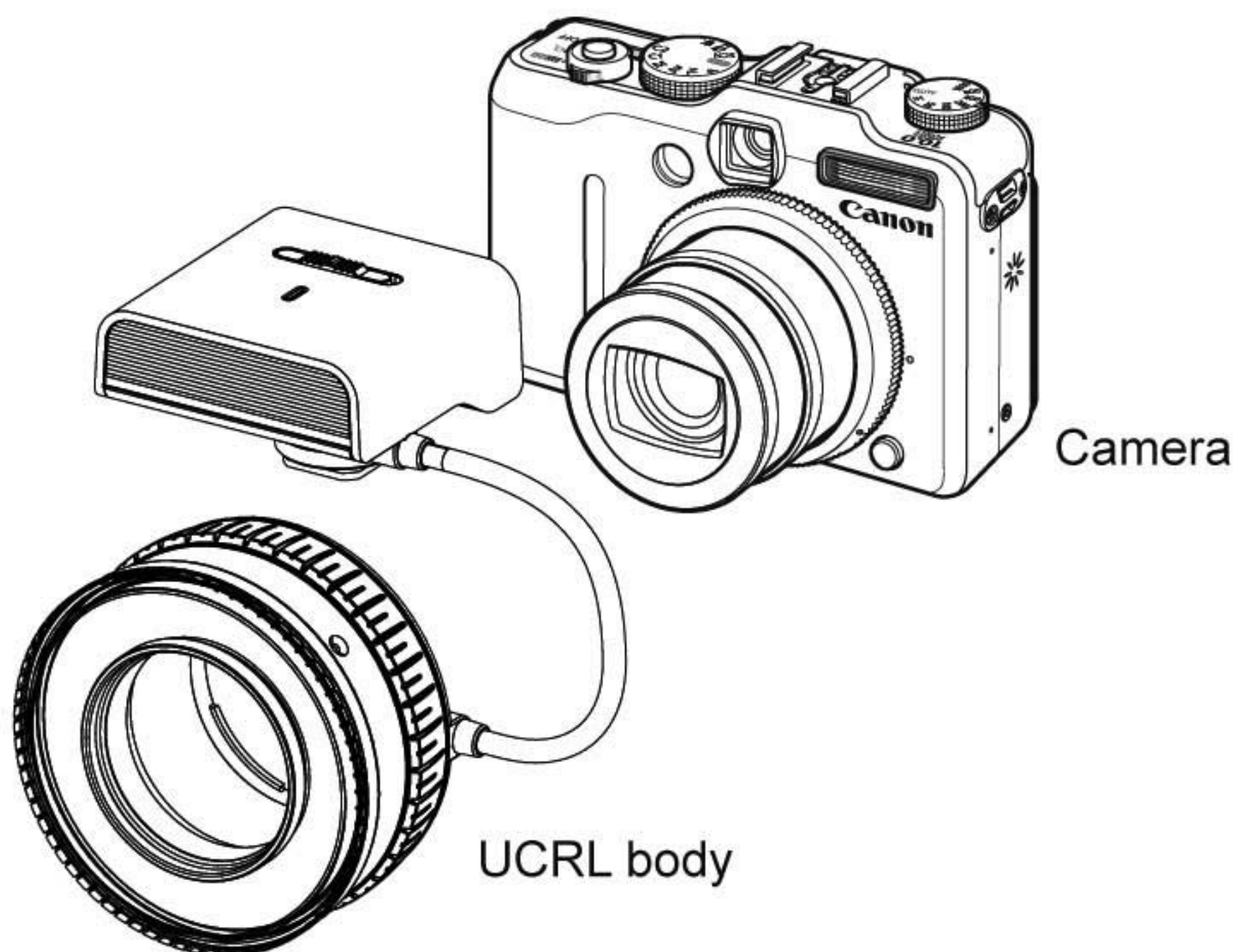
- ★In the interest of continually improving products, Lumos Tech. reserves the right to update or modify information contained in this manual without prior notice.
- ★Product image of this manual is for reference only and actual product appearance may vary.

About “X-Loupe[®] Ultra Close-up Ring Light (UCRL) ”

Thank you for your purchase of the X-LOUPE[®] Ultra Close-up Ring Light (UCRL), which is a Canon/RICOH -compatible ring light unit for such as Canon PowerShot G7 & G9 ; G10 、 G11 & G12, and RICOH GXR S10 / P10 . This manual was written to help you enjoy using with your UCRL. Read this manual thoroughly before use, and keep it where all those who use the product will read it.

Features the continuous and stable high-brightness LEDs, UCRL provides a 360-degree and shadow-free lighting, which is divided into groups by quadrant, and to carry out 9 kinds of lighting mode. Moreover, the brightness could be separate setting from level 1 ~ 5, in order to satisfy the demand of various lighting direction. Device interface is simple, setup only need a few seconds to be done, and easy to use. There are 2 versions of light source (double white light or white + UV light) for your choice.

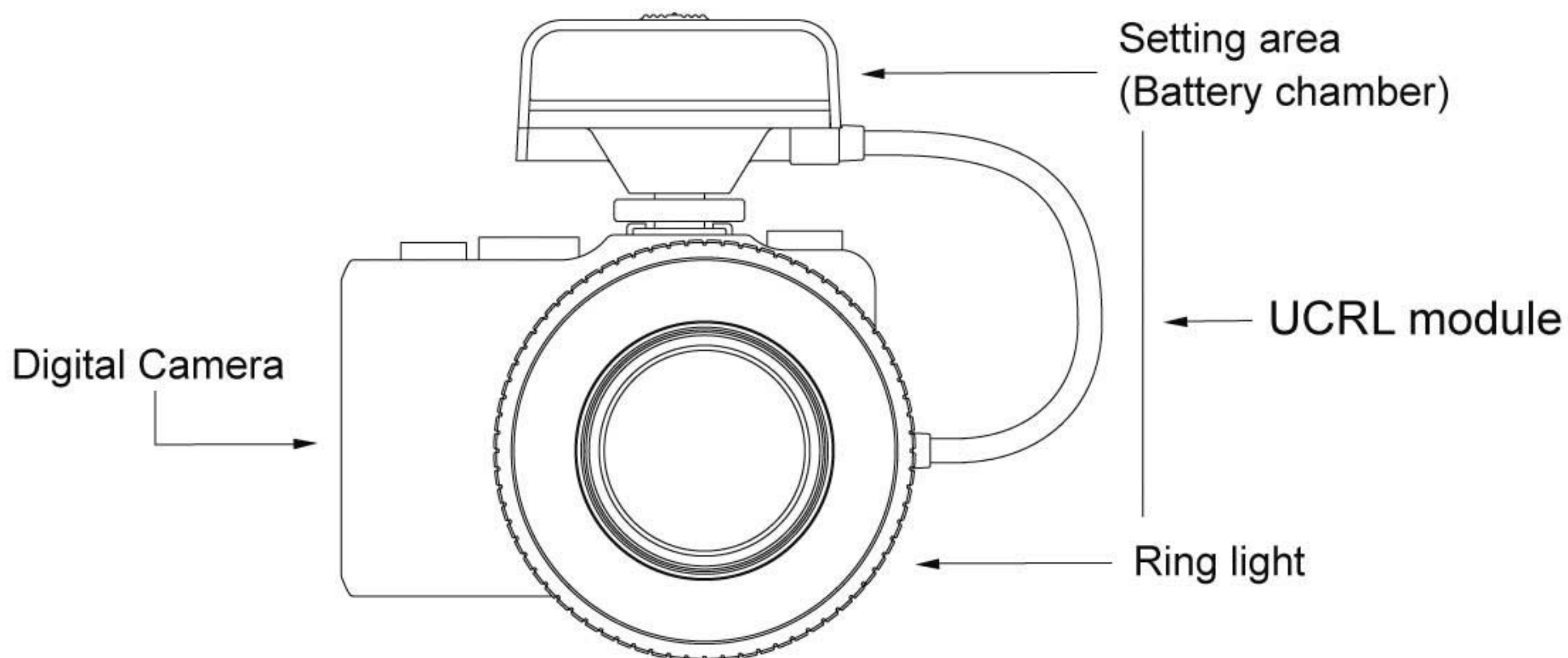
For more information and downloading this user guide, please visit our website at <http://www.x-loupe.com.tw>. Please read the copyright declaration prior to the usage of any part of the content in this booklet.



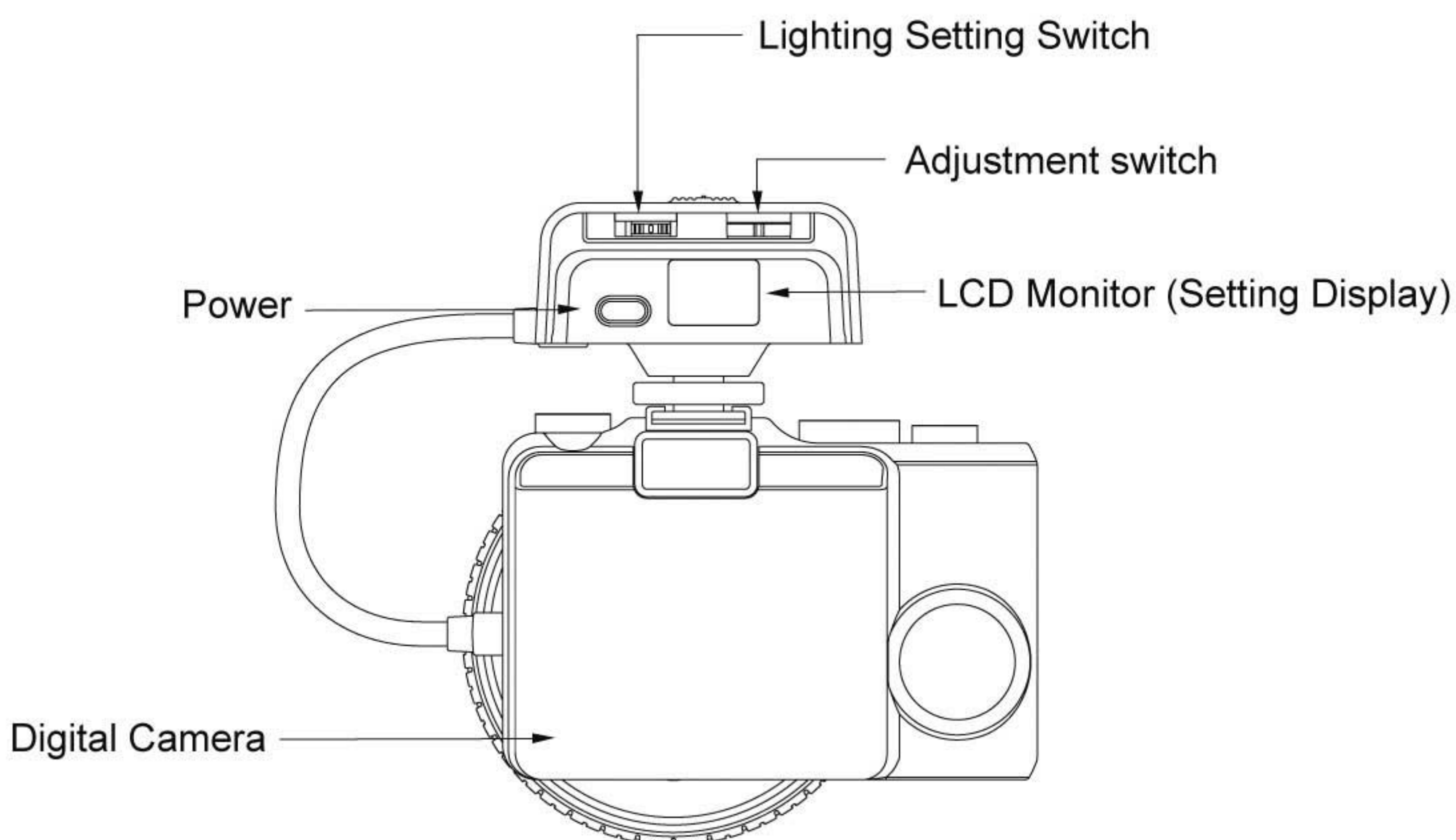
Structure profile of X-LOUPE[®] UCRL 《Camera is not included in package》

Components

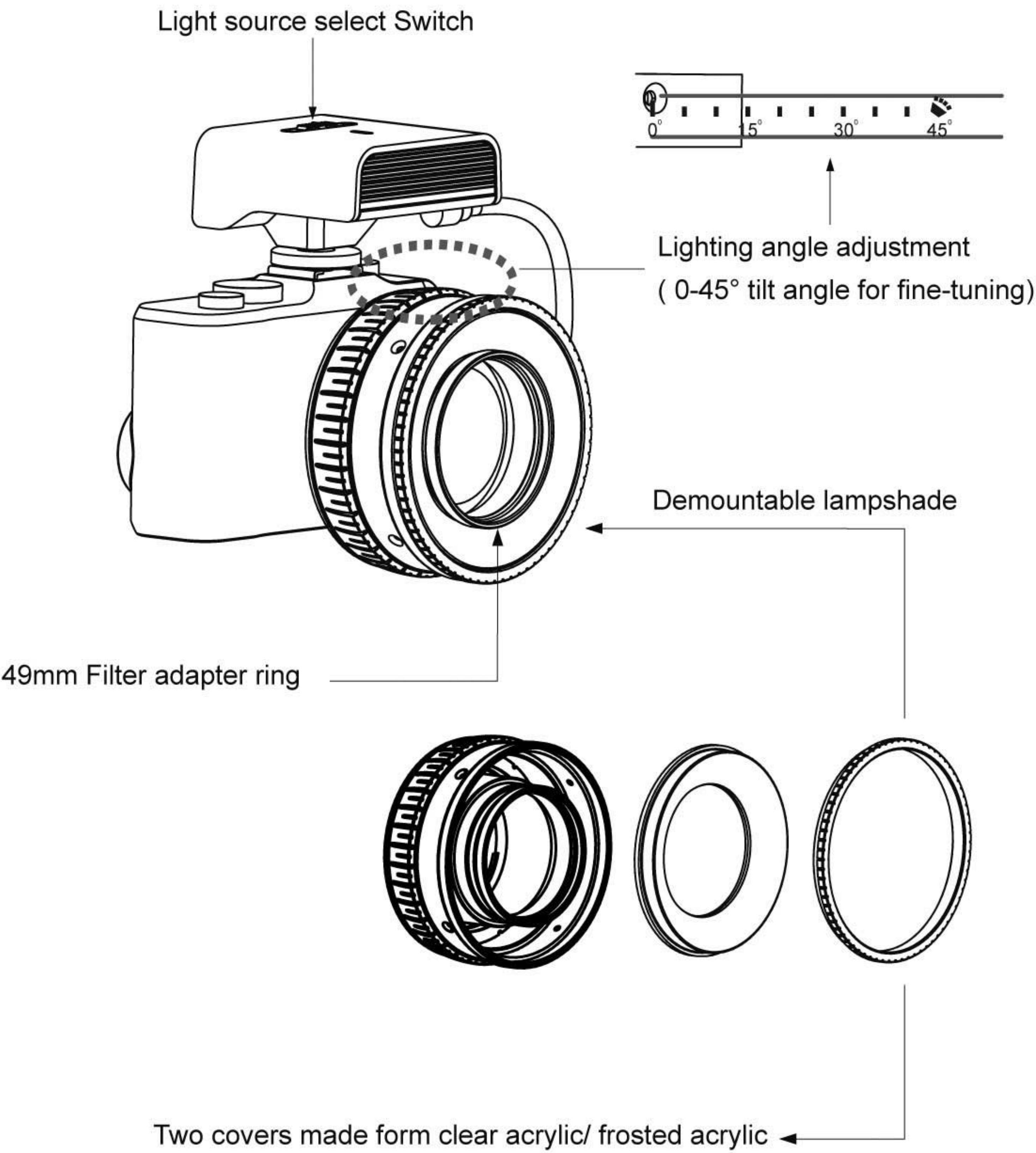
Front View



Back View



Components



Product Assembly

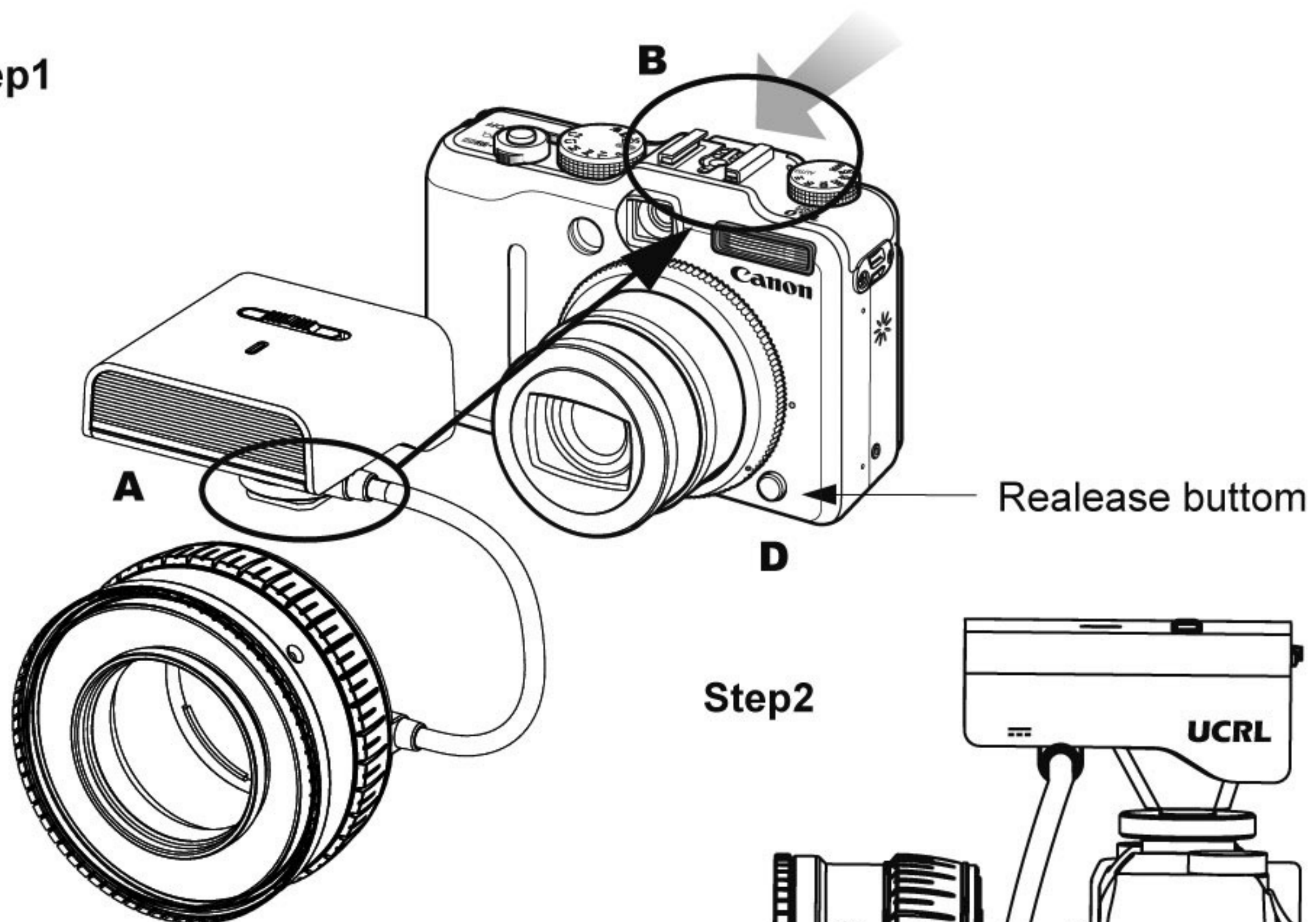
1 Assembling of UCRL and Camera :

Step1 : Slide in the foot of the UCRL(A) from the rear of camera into the socket of accessory shoe (B) as far as it will go, then turn screw clockwise securely (vice versa for the disassembling.)

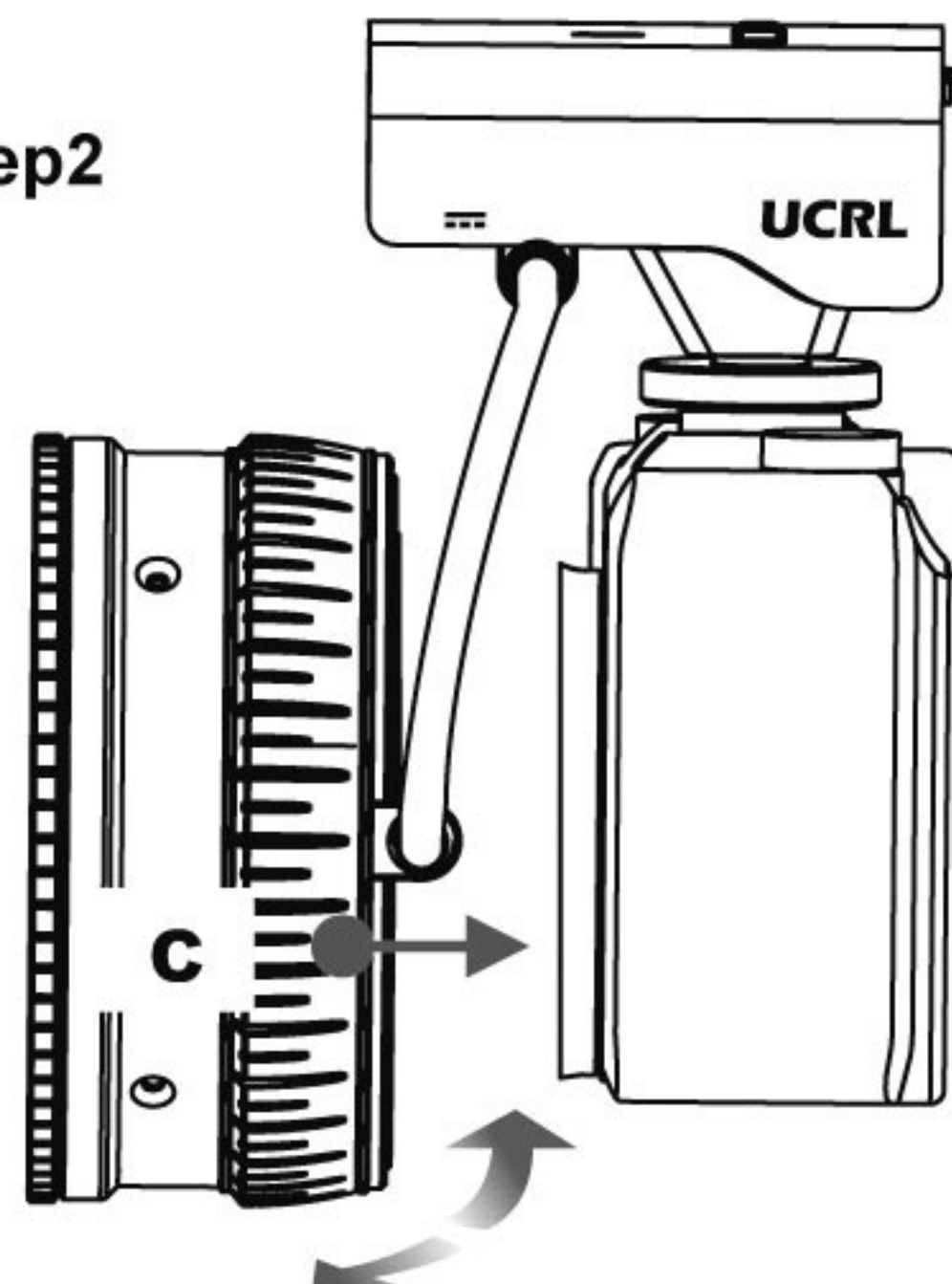
Step2 : Align the Red dot (C) on the ring of UCRL adapter with the mounting index● on the camera, and turn the adapter in the direction of clockwise until locked.

- To remove the UCRL, turn the adapter in the opposite direction with holding down the ring release button (D).

Step1



Step2



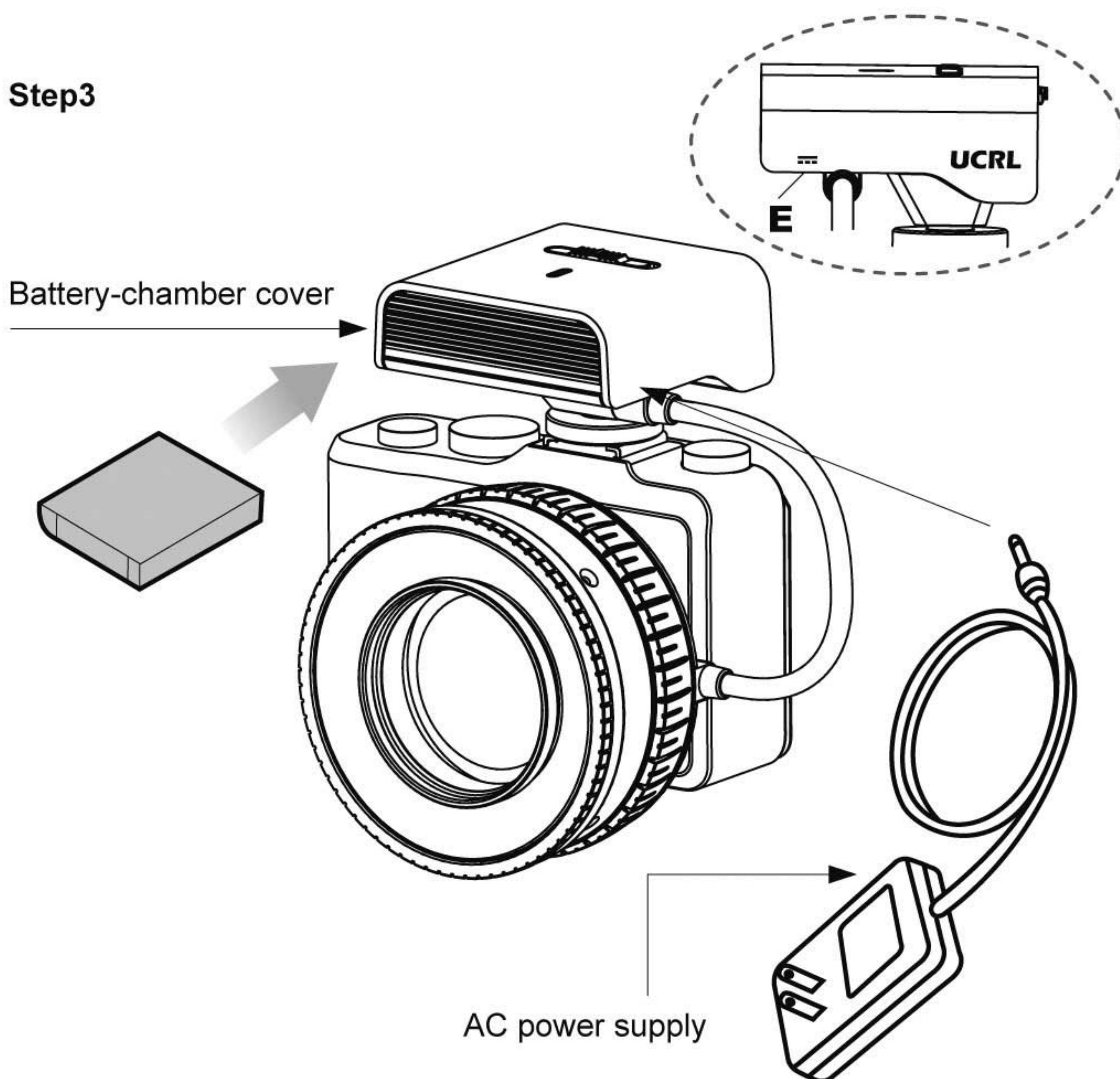
Product Assembly

2 Charge the battery :

Step 3 : Directly charge the battery pack* after removing the battery-chamber cover and insert the DB-90 rechargeable battery. Connect the power cord to AC inlet power jack (E) and plug it in.

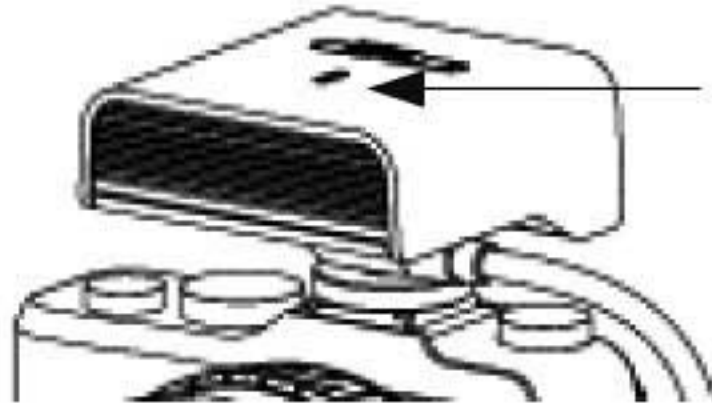
*Ricoh DB-90 or compatible 1700mAh battery.

Step3



Attention/Warning for the Battery Charging

Charging Batteries and Other Precautions

- (1) Check to make sure your battery is fully charged before using (1st charge 8 hours ,and subsequent charging around 4 hours).
 - (2) Install the Battery by placing the end with the metal electrical terminals down into the Battery chamber until it is fully seated.
 - (3) To charge UCRL internal battery, simply connect its AC power supply (Switching Adaptor) to the AC inlet power jack; LED Status indicator should light up immediately.
(Red means in charging; Blue means battery has been fully-charged; Purple means the battery fails to connect properly/ battery is not placed in the chamber.)
- 
- The diagram shows a rectangular charging unit with a cable connected to its side. A line points from the text 'LED status Indicator' to a small rectangular area on the top surface of the unit, which is the LED indicator.
- (4) If the LED status indicator fails to light up, please check:
 - a Forget to connect power socket;
 - b Other power supply problems. Check with trained technician.
 - (5) After charging the battery, remove AC power supply from charge inlet.
 - (6) Warning: DO NOT USE CHARGER in WET CONDITION.
- ! Keep the battery used in this equipment out of the reach of children to prevent accidental ingestion. If swallowed, seek medical assistance immediately.**

Light Source-<Types>

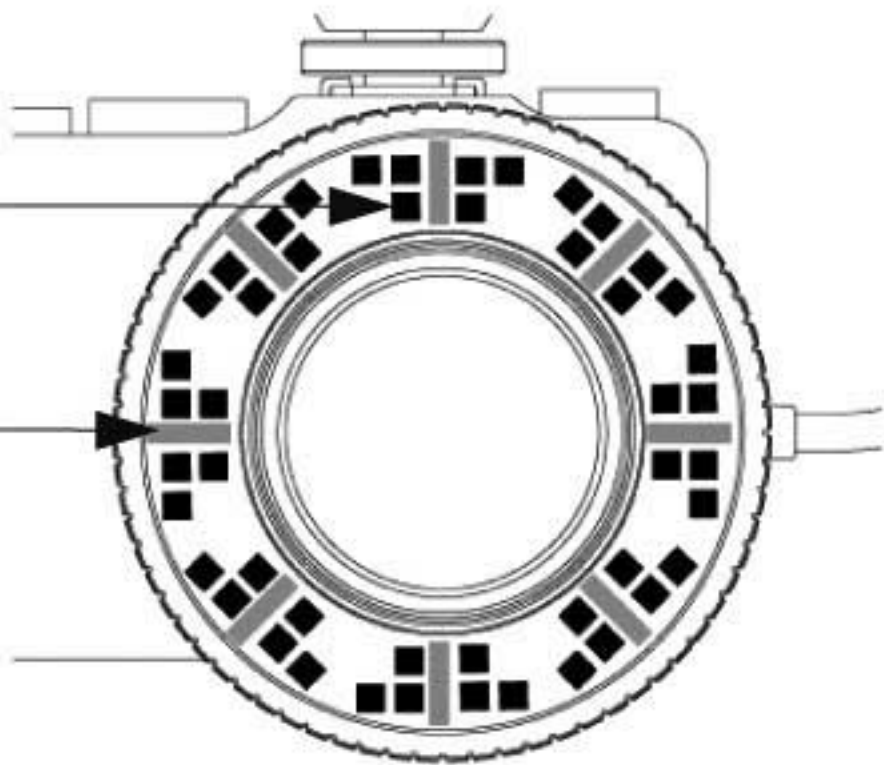
Two versions of illumination ① Double white light (standard) and ② white light +UV light (custom-made); each version also equipped with two kinds of lighting modes:

Versions	Disposition of Lighting
Double white light (standard)	Cool White (Main, inner circle)+ Warm White (Sub, outer circle)
White light +UV light (custom)	Cool White (Main, inner circle)+ UV light (Sub, outer circle)

Main ring lighting- inner circle, with 16 LEDs

Sub ring lighting- outer circle, with 32 LEDs

★ The brightness of both rings are adjustable (indexes from zero to 5)

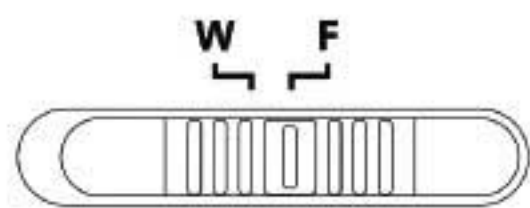


★ <White Balance>

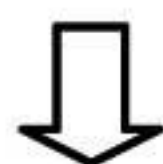
Since the color temperature of UCRL is about 6000k (Cool White) and 3000k (Warm White), White balance can also be fine tuned and changed if necessary. About the white balance setting, please refer to User Guide of your Camera.

Light Source-<Function>

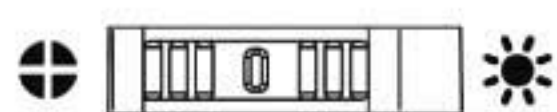
1 【Light source select Switch】



□ Double white light : 【W】 = cool white / 【F】 =warm white
(White light +UV light : 【W】 =cool white / 【F】 =UV light)

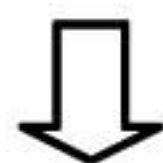
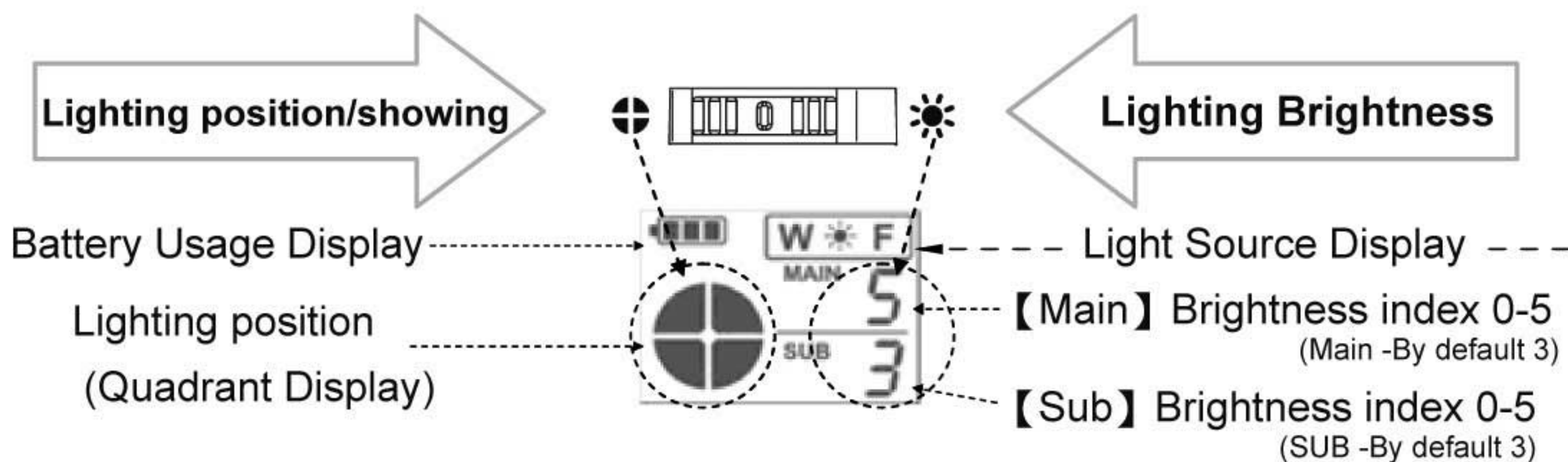


2 【Lighting Setting Switch】

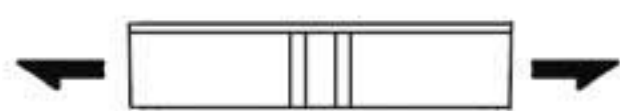


Switch to 【☀】 : Set the lighting position /showing. (refer to p. 11)
Switch to 【☀】 : For the brightness setting. (refer to p. 13)

Switch selection and LCD Monitor Display



3 【Adjustment switch】

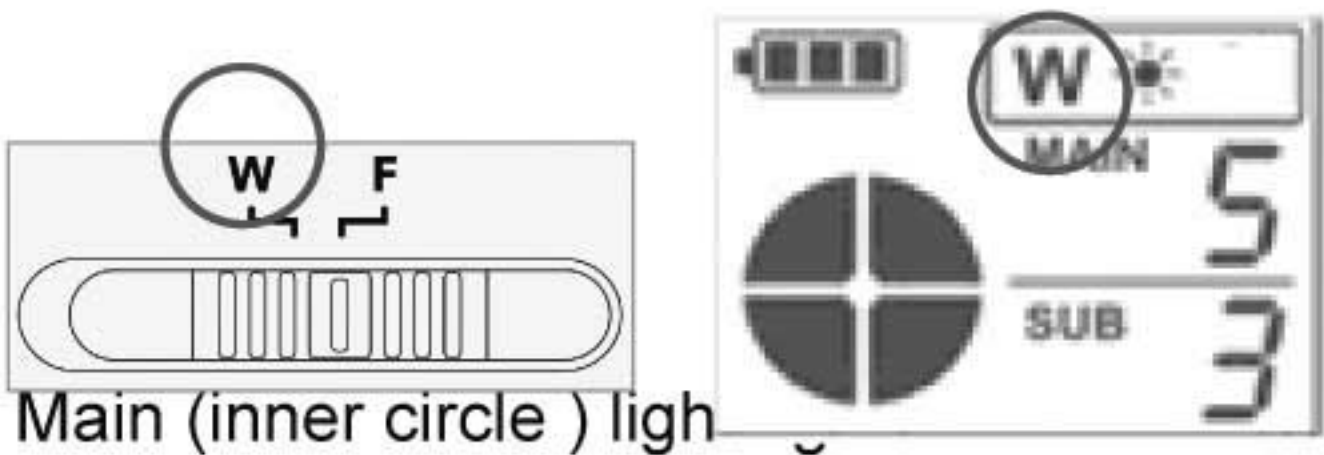


When 【Lighting Setting Switch】 is on 【☀】 ,
dial 【Adjustment switch】 leftwards / rightwards to alter the lighting position.
When 【Lighting Setting Switch】 is on 【☀】 ,
dial 【Adjustment switch】 leftwards / rightwards to alter brightness.

Light Source - <Setting>

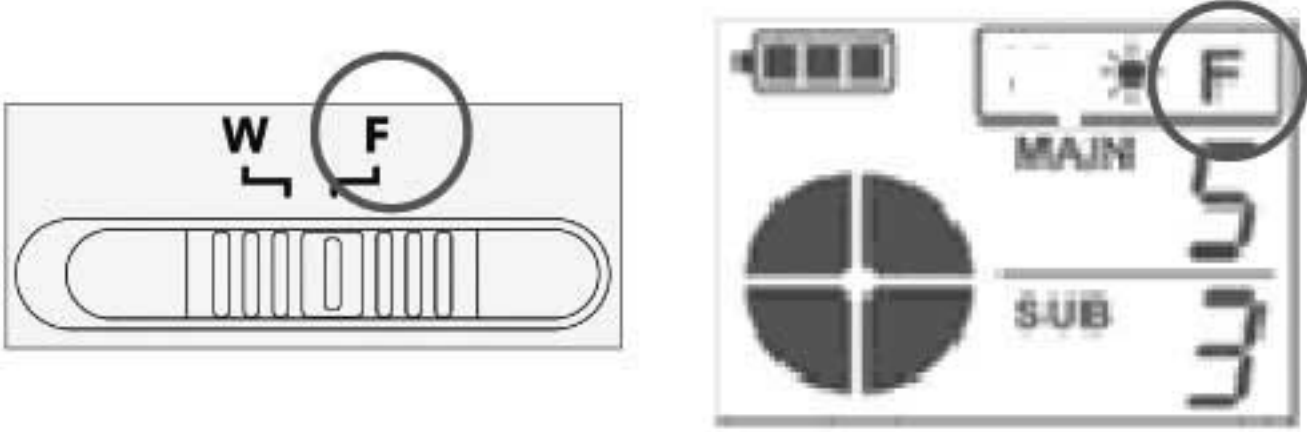
Lighting position (way) setting

☐ Double white light/ mode-**COOL white**;
(OR White light+ UV light/mode-COOL white)

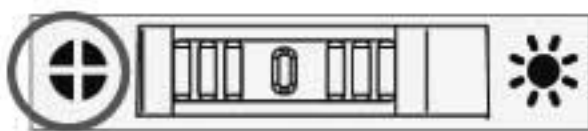
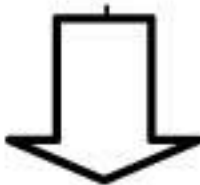


Main (inner circle) ligh

☐ Double white light/mode-**WARM white**;
(OR White light+ UV light/ mode-UV light)



Sub (outer circle) lighting is turned on



【Lighting Setting】 Switch to 【☀️】



Make 【Adjustment switch】 dial leftwards / rightwards for tuning the position of lighting, and the picture will appear in turn as below:

- ① ☀️ entire bright → ② 🌄 left half bright → ③ 🌄 Upper half bright
→ ④ 🌄 Right half bright → ⑤ 🌄 Under half bright → ⑥ 🌄 Right half flashing
→ ⑦ 🌄 Under half flashing → ⑧ 🌄 Left half flashing → ⑨ 🌄 Upper half flashing

A total of nine models

[**Note : Brightness Contrast ; the flash part means the brightness is lower**]

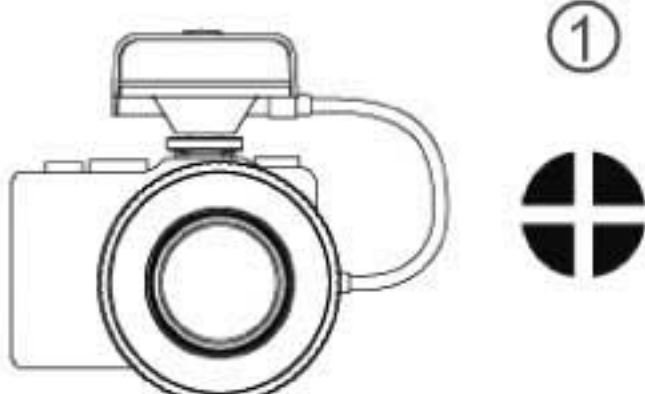
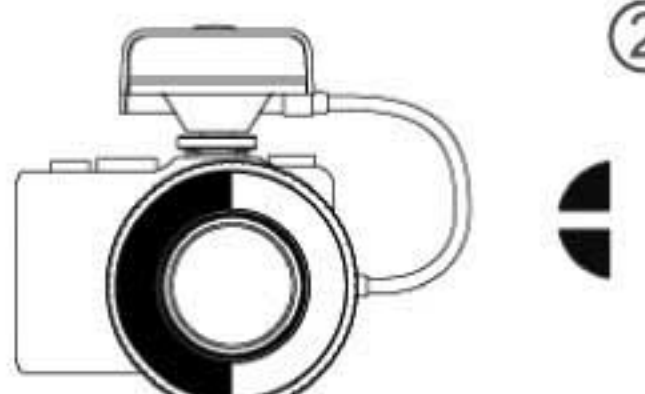
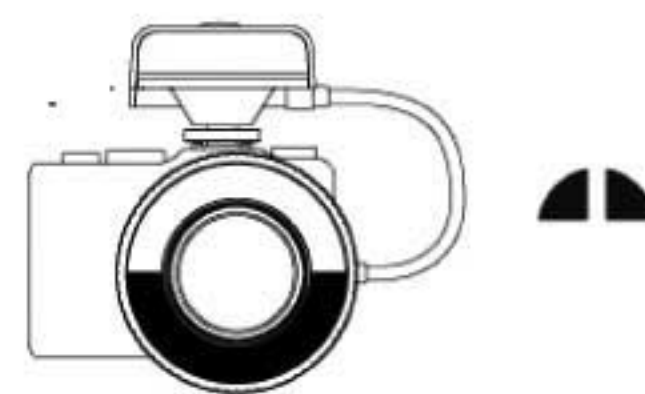
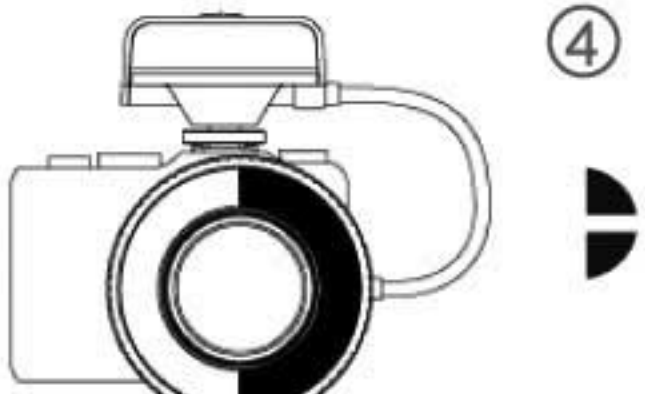
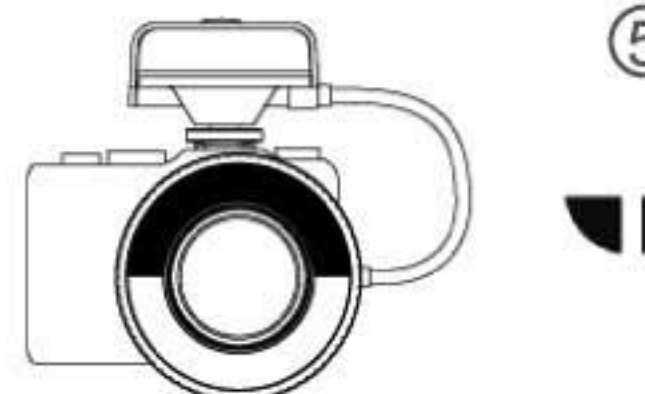
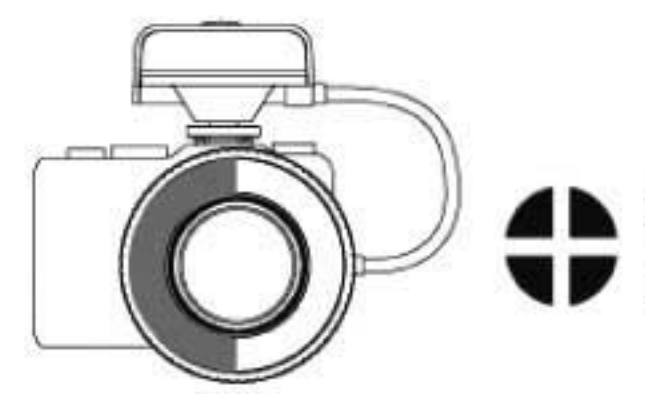
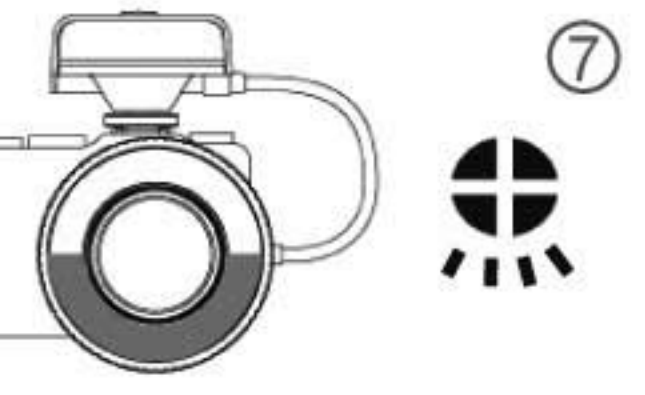
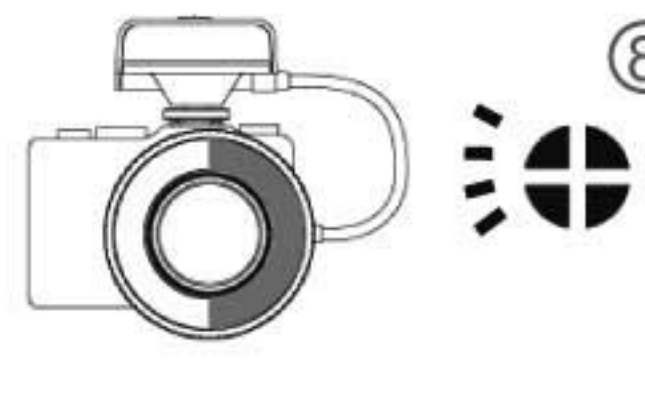
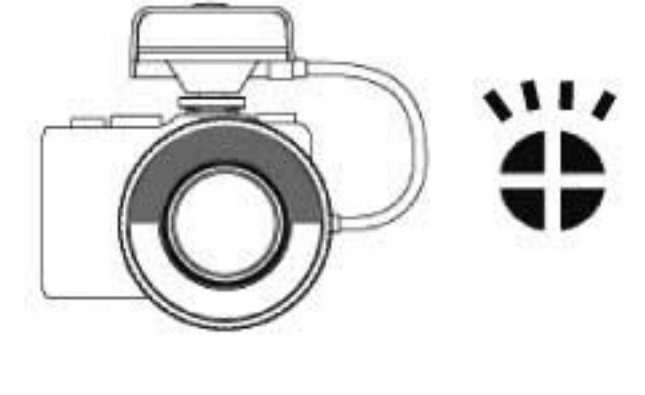
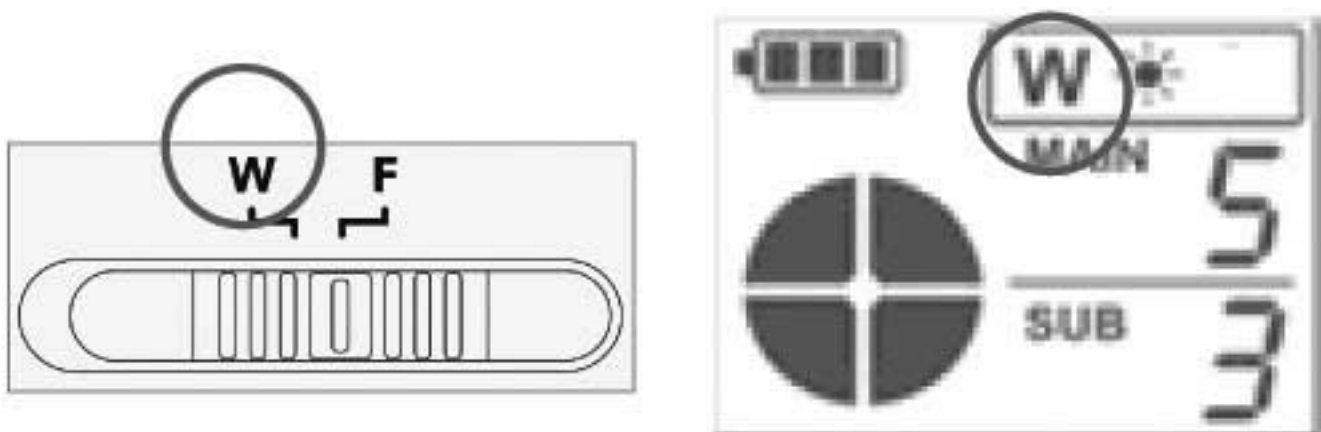
Lighting showing (Front view)/ Monitor display (reverse side)		
		
		 Right half flashing
 Under half flashing	 Left half flashing	 Upper half flashing

Figure A

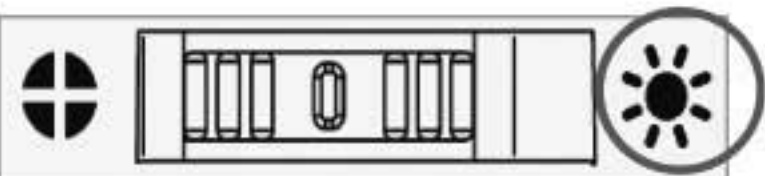
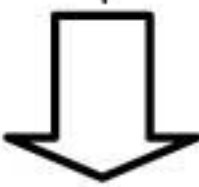
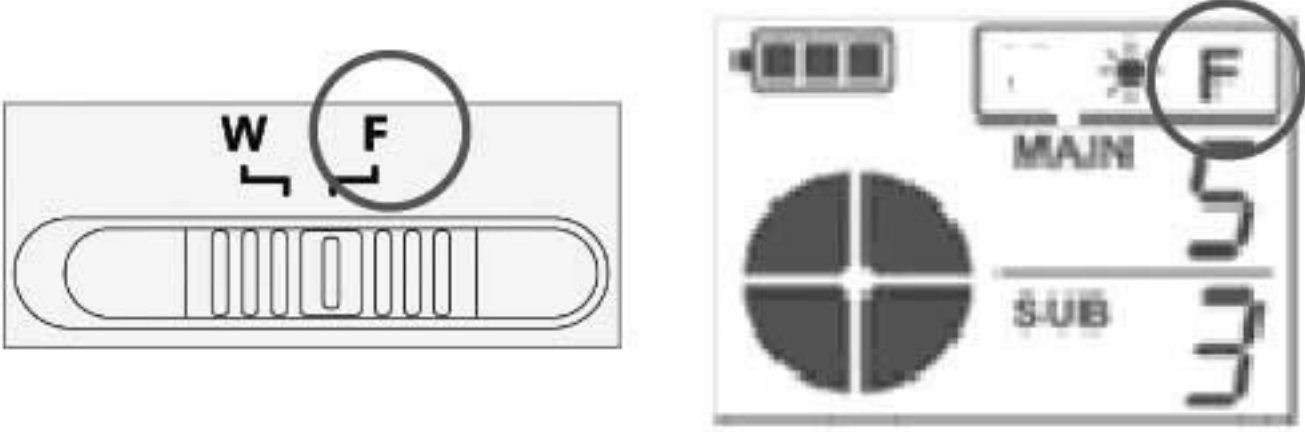
Light Source-<Setting>

Lighting Brightness Setting

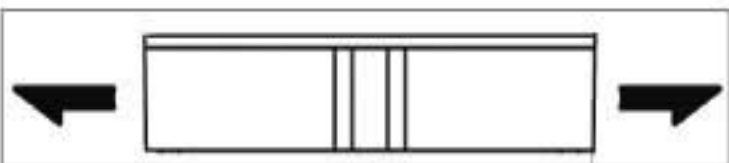
☐ Double white light/ mode-**COOL white**
(White light+ UV light/ mode-**Cool white**)



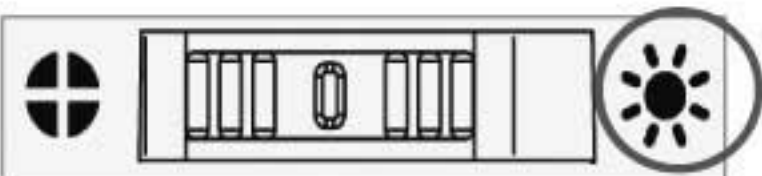
☐ Double white light/mode-**WARM white**
(White light+ UV light/ mode-**UV light**)



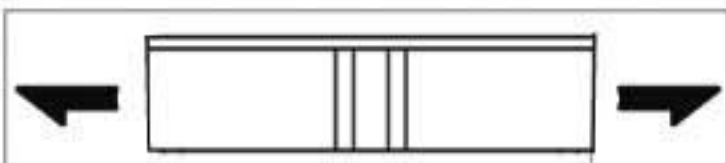
【Lighting Setting】 Switch to 【☀️】



Push the dial leftward/rightward to adjust the brightness. **(MAIN 0~5)**



【Lighting Setting】 Switch to 【☀️】



Push the dial leftward/rightward to adjust the brightness. **(SUB 0~5)**

Note: As Previous page Figure A, when lighting position is set to ⑥~⑨, the setting of brightness value is limited form 3 to 5.

Troubleshooting

Troubleshooting

- (1) About the troubleshooting of camera, please refer to the Camera User Guide.
- (2) The LED is not bright
 - a. Check the battery power.
 - b. Check the brightness index 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 or open:
 - a. Turn off the camera power to make the lens retract or close.
Disassemble camera from the UCRL module, and turn on the power of the camera again. The lens of the camera should be able to stretch out/open.
 - 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) 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.
- (5) Hardware malfunctions such as slipped power switch,
Please contact your local distributor.

How to keep UCRL

- (1) It is advised to use UCRL in a moisture-free environment and keep away from water.
- (2) Not using UCRL for a long time , keep it in the dry environment such as a dry box, and get some desiccants inside the storage case/ box.



EMC TEST REPORT

According to

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

- IEC 61000-4-2 : 2008
- IEC 61000-4-3 : 2006+A1 : 2007
- IEC 61000-4-4 : 2004
- IEC 61000-4-5 : 2005
- IEC 61000-4-6 : 2008
- IEC 61000-4-8 : 2009
- IEC 61000-4-11 : 2004

EQUIPMENT : X-Loupe Ultra Close-up Ring Light
MODEL NO. : UCRL
SERIAL NO. : N/A
APPLICANT : Lumos Technology Co., Ltd.
7F., No.8, Wanhe St., Wenshan District,
Taipei 116, Taiwan, R.O.C

Approved By: *Ryan Tang*
Issued Date: 07/01/2010



Note:
This test report refers exclusively to the main item tested, model no. UCRL.
This report 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 in the revision section of the document.
Test site: NO.15-1, QWEISHUH KENG, QWEISHUH VILLAGE, LINGKOU, TAIPEI COUNTY, TAIWAN, R.O.C

- Safety Testing Laboratory Co., Ltd
- 5F, No.2, Lane 31, Zhong Xiao Street., Junghe City, Taipei County, Taiwan



VERIFICATION

of conformity with European EMC Directive

Document holder: Lumos Technology Co., Ltd.
7F., No.8, Wanhe St., Wenshan District, Taipei 116, Taiwan, R.O.C
Type of equipment: X-Loupe Ultra Close-up Ring Light
Type designation: UCRL
Report No. : SE2K10079

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 Standard(s)
- 1) EN 55022 : 2006+A1 : 2007(Class B)
 - 2) EN 61000-3-2 : 2006
 - 3) EN 61000-3-3 : 2008
 - 4) EN 55024 : 1998+A1 : 2001+A2 : 2003
- IEC 61000-4-2 : 2008, IEC 61000-4-3 : 2006+A1 : 2007, IEC 61000-4-4 : 2004,
IEC 61000-4-5 : 2005, IEC 61000-4-6 : 2008, IEC 61000-4-8 : 2009,
IEC 61000-4-11 : 2004

This referred test report(s) show that the product fulfills the requirements in the EMC Directive for CE marking. On this basis, together with the manufacturer's own documented production control, the manufacturer (or his European authorized representative) can in his EC Declaration of Conformity verify compliance with the EMC Directive



Approved by: *Ryan Tang*
Ryan Tang
STL Certification and Testing Services
July 1, 2010

Safety Testing Laboratory Co., Ltd
5F, No.2, Lane 31, Zhong Xiao Street., Junghe City, Taipei County, Taiwan

FCC CLASS B VERIFICATION REPORT (DOC)

Report No : F2K10071
Applicant : Lumos Technology Co., Ltd.
Address : 7F, No.8, Wanhe St., Wenshan District, Taipei, Taiwan, R.O.C

Equipment Under Test (EUT) :

Name : X-Loupe Ultra Close-up Ring Light
Model No. : UCRL
Serial No. : N/A
Standard : FCC PART 15, SUBPART B, CLASS B
CISPR 22 : 2005+A1 : 2006, CLASS B
ANSI C63.4 : 2003
EN55022 : 2006+A1 : 2007, CLASS B

Date of Receipt : 11 June 2010
Date of Test : 11 June 2010 ~ 1 July 2010
Date of Issue : 1 July 2010

Test Result : PASS

In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Ryan Tang
Signed for and on behalf of
Safety Testing Laboratory Co., Ltd.

Disclaimer

- Thank you for using this product. While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions.
- We (Lumos Tech.) reserves the right to change the specifications described herein at anytime without prior notice.
- No part of this guide may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without the prior written permission of Lumos Technology Co., Ltd.

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In case of any question, please contact your
X-Loupe[®] distributor, or e-mail : service@lumos.com.tw

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