X-Loupe®

AgileLite System Series

Introduction

X-Loupe® AgileLite System is a powerful DSLR illumination platform for macro and micro photography (white light or fluorescence) at forensic crime scenes. It can transform its lighting features by changing proper modules. Each module is specially designed for different photography missions at crime scenes.

Since evidence photography is an important job for investigator. AgileLite System is designed to fully integrated into DSLR cameras and differ from other competitor products which are modified by LED torches into ALS (Alternate Light Source), that is convenient for investigators to observe fluorescence evidence by naked eyes, but difficult to take photos while operating both camera and torch. We ensure AgileLite provides you "What You See Is What You Get" at field.

X-Loupe® AgileLite System has two mission modules: 4x4 Barrel is designed to make crime scene 1:1 latent print photography efficient; AgileLite Ring is designed for biological Evidence photography and questioned documents. Both modules are patented and packed with many convenient features.

4x4 Barrel & AgileLite Ring each is equipped with two switchable illumination channels:

white light & a specific fluorescence excitation wavelength.

The arrangement is to reduce efforts of investigators in changing lights for white light and fluorescence photography. Different fluorescence excitation wavelengths are available to complete an ALS set. (Please refer to outfit page for details) outfit.

More and more new innovative accessory will be available in near futures.

Join our facebook fan page and X-Loupe website for exciting latest news.

Substitute the function of flashlights;
Enhance forensic light source;
Successfully lower equipment costs
but get same effect, even better.

Full integration with DSLR
Collecting all the images from the scene, what you
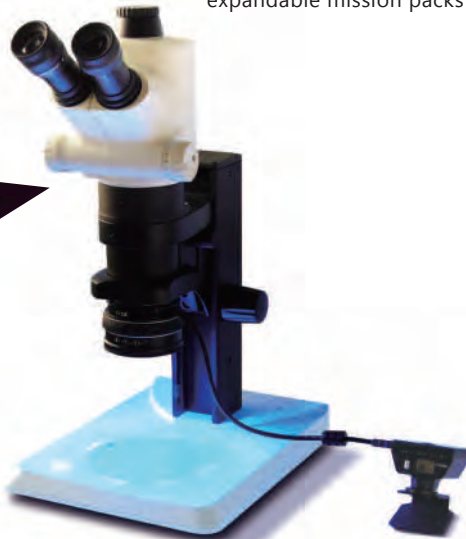see is what you get.

Free investigator's hand
It's not only for one hand operating, but also for
a convenient carry in quick crime scene searches.

Ease of use
Easy to learn, easy to use, easy for you to
experience all new concept of quality photography.

Flexible and optional
Whatever professional or new users by use of the
expandable mission packs to get consistent results.

AgileLite System Outfit

FALS-011

Protective Carrying Case(L)	X-Core X2	AgileLite Ring X5 365nm / 415nm / 470nm 525nm / 840nm	4X4 Barrel X3 415nm / 470nm / 525nm	Filter X4 LPR-C2 / LPA-C2 LPA-C8 / LPA-D0	Goggle Clear / Orange Yellow / Red

FALS-012

Protective Carrying Case(L)	X-Core X2	AgileLite Ring X5 365nm / 415nm / 470nm 525nm / 840nm	Filter X4 LPR-C2 / LPA-C2 LPA-C8 / LPA-D0	Goggle Clear / Orange Yellow / Red

FALS-021

Protective Carrying Case(M)	X-Core X1	AgileLite Ring X1 White light + 470nm	4X4 Barrel X1 White light + 470nm	Filter X1 LPA-C2	Goggle Yellow

FALS-022

Protective Carrying Case(M)	X-Core X1	AgileLite Ring X1 White light + 470nm	Filter X1 LPA-C2	Goggle Yellow

FALS-023

Protective Carrying Case(M)	X-Core X1	4X4 Barrel X1 White light + 470nm	Filter X1 LPA-C2	Goggle Yellow

X-Core
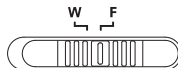
The Control unit.
For Lighting set-up (includes Light Channel, Dimming
Intensity, Status Display) and Battery chamber.

X-Core / Illumination setting

① 【Channel Switch】

W   F

【W】=White light
【F】=Functional light (Blue light or UV or IR light)

② 【Display Switch】

Switch to 【 ⊕ 】: Segment control.
Switch to 【 ☀ 】: Dimming control.

③ 【Adjustment Lever】

Move leftwards/ rightwards in turn for adjusting
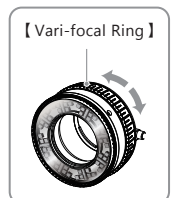the Segment control / Dimming control

Product Item Details

Two custom/selected light sources by way of inner and outer rings are switchable; each ring equips 16 High Output Cree® LED.

■ Illumination of 11-segment modes vary from 4-Quadrant of LED.
■ 5-step dimming, intensity is from 20~100%.
■ By quick-release magnet adapter to connect to DSLR camera.
■ By rotating the vari-focal ring of lighting to alter the illumination angle from degree 0 to 45, makes the adjustment of parallel light turned to focus light is easy.

AgileLite Ring

Parallel Light

Focus Light

【Vari-focal Ring】
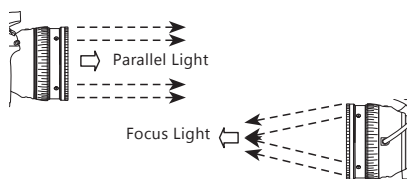
White light and Blue/Green light sources by way of inner and outer rings are switchable; each ring equips 16 High Output Cree® LED.

4X4 Barrel

■ Illumination of 11-segment modes vary from 4-Quadrant LED.
■ 5-step dimming, intensity is from 20~100%.
■ By quick-release magnet adapter to connect to camera.
■ The barrel length is designed as a fixed working distance, is dedicated for the latent fingerprint shooting.
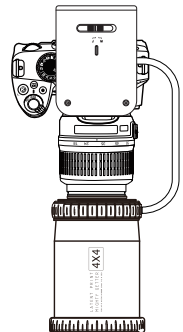
Product Item Details

Goggles

Investigators should wear goggles with filter using any FLS. The type of goggle needed depends on the type of light used.

The goggle in conjunction with the light source as below:

Wavelength	Goggles
300-400 nm	Clear
415-445 nm	Yellow
455-515 nm	Orange
535-575 nm	Red

49mm diameter.
Shipment ranging from 1 to 4 pieces,
depending on the model (or custom).

**Color
Imaging
Filter**

Filter Module	Emission Range	Note
49-LPA-C2	520-900nm	long pass, absorption filter
49-LPA-C8	580-900nm	
49-LPA-D0	600-900nm	
49-LPR-C2	520-900nm	long pass, reflection filter

X-Loupe® AgileLite System Specification

X-Core (Control unit)

Item	Specification
Function	Power ON / Off; Light Channel Switch; Lighting Segment & Dimming Control
Status Display	Battery check; Channel output; Lighting Segment; Lighting Intensity
Battery	Built-in SANYO® Rechargeable Li-ion Battery, 5200mAh
Current Consumption	12mA
Charging method	via Power Adapter (packed separately) Input: AC 90-230V; Output: DC 5V, Max. 2A
Charging Time	1st charge 8 hrs and subsequently charge around 5 hrs
Lasting Time (5200mAh)	10 hrs with default light intensity, 6 hrs with maximum intensity
Body Material	ABS and PMMA, RoHS compliant
Dimension	88.3mm x 63.15mm x 54mm
Weight	<200g
Operating Environment	0~40℃

AgileLite Ring (Need to be used with X-Core)

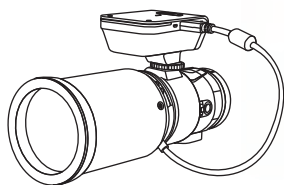| Item	Specification
Light Channel (2 Channels)	W Chennel : White light, High power Cree LED, 90-CRI(x16) F Chennel : Blue light (or Custom wavelength), High power Cree LED(x16)
Dimming intensity	Intensity is dimmable from 20% to 100% with 5-step dimming modes. Turbo feature may increase extra 20% output.
Color Temperature(White light)	5500K +/-500 (angle 0°, distance1.5 cm)
Lighting Segment	11-segment modes: 1*(whole ring on) mode; 4*(half ring on) modes;4*(1:2 brightness ratio) modes; 2*(diagonal light) mode.
Illumination Angle Control	Manual, 45 – 90 degree from optical axis
Luminance of best lighting angle	9000lux +/-500 (angle 0°, distance1.5 cm)
Mounting Method	Magnet mount
Lampshade material	Clear acrylic X1; Frosted acrylic X1
Lens Filter	49mm/ mounted on Extension ring*
*Extension ring	2 rings, can be overlapped for use. (length: 13.6mmX1/ 21mmX1)
Current Consumption (general light)	250mA
Current Consumption (Boost light)	826mA
Body Material	Aluminum alloy, RoHS compliant
Body Dimension	84.7mm X40.24 mm
Power cable length	30 cm
Weight	<300g
Operating Environment	0~40℃

4X4 Barrel (Need to be used with X-Core)

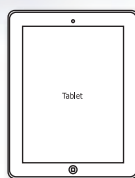| Item	Specification
Light Channel (2 Channels)	W Chennel : White light, High power Cree LED, 90-CRI(x16) F Chennel : Blue light (or Custom wavelength), High power Cree LED(x16)
Dimming intensity	Intensity is dimmable from 20% to 100% with 5-step dimming modes. Turbo feature may increase extra 20% output.
Color Temperature(White light)	5500K +/-500 (angle 0°, distance0 cm)
Lighting Segment	11-segment modes: 1*(whole ring on) mode; 4*(half ring on) modes;4*(1:2 brightness ratio) modes; 2*(diagonal light) mode.
Luminance(W Channel)	6000lux +/-500 (distance 0 cm)
lens FOV setting	4cmX4cm (For latent fingerprint photography.)
Mounting Method	Magnet mount
Accessories Material	Disposable Contact ring: Rubber L-Square Ruler: PC
Lens Filter	49mm/ mounted on Screw-mount Adapter *
* Screw-mount Adapter	variety depends on lens (fitting Canon/ Nikon).
Body Material	Aluminum alloy, RoHS compliant
Body Dimension	83 mm x 116.4mm
Power cable length	30 Cm
Weight	<300g
Operating Environment	0~40℃

AgileLite System-Unlimited

When AgileLite System combined with Sony QX100,
the latent prints is easy to show on tablets,
then to utilize 4G quickly...

WiFi ·))

Tablet

Mobile
phone

4G

OLUMOS

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