

X-Loupe® AgileLite System Specification

X-Core (Control unit)	
Function	Power ON, Off / Light Channel Switch / Lighting Modes Setting / Dimming Control
LCD Status Display	Battery check / Channel output / Lighting Modes / Lighting Intensity
Battery	Built-in SANYO® Rechargeable Li-Ion Battery, 5200mAh
Charging method	via Power Adapter (packed separately); Input: AC 100~240V; Output: DC 5V / 2A NOTE: only use dedicated charger for charging
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 (5-step)
Body Material	ABS and PMMA, RoHS compliant
Dimension	88.3mm x 63.15mm x 54mm
Weight	< 200g
Operating Environment	0~40°C
AgileLite Ring	
Use in conjunction with X-core compatible with camera / lens	Canon APS-C camera / Canon EF-S 60mm f/2.8 Macro USM or Nikon APS-C camera / Nikon AF-S Micro Nikkor 60mm f/2.8G ED
Mounting Method	Magnet mount
Filter	49mm (outside diameter \leq 54mm, thickness \leq 5mm) / Glass
Channel & Light source	Channel W: White light Channel F: Blue light (365nm / 415nm / 470nm standard / 525nm / 840nm; based on the order received)
LED Brand	White light: High power Cree® LED, on Nichia CRU > 90CRI Blue light (or Custom wavelength): High power Cree®, Nichia or OSRAM LED, choose by wavelength
LED Number	32
Dimming intensity	Intensity is dimmable from 0% to 100% with 5-step dimming modes
Lighting Modes	11 modes: Full Ring light X1 ▶ Half Ring light X4 ▶ 1:2 Brightness Ratio X4 ▶ Diagonal light X2
Color Temperature (White light)	5000K +/- 500 (angle 0°, distance 1.5 cm) (angle 0°, distance 0 cm)
Illuminance	of best lighting angle: 9000lux +/- 500 (angle 0°, distance 1.5 cm) 6000lux +/- 500 (distance 0 cm)
Illumination Angle Control	Manual, 0~45 degree from optical axis
FOV setting	4cm x 4cm (For latent fingerprint photography)
Accessories Material	Lampshade: Clear acrylic; Frosted acrylic Disposable Contact ring: Rubber L-Square Ruler: PC
Body Dimension	Ø 84.7mm x (H)40.24mm Ø 83mm x (H)116.4mm
Body Material	Aluminum alloy, RoHS compliant
Weight	< 330g
Power cable length	30cm
Operating Environment	0~40°C

AgileLite System Series



This picture is for reference only and the real object should be considered as final.

*In the interest of continually improving products, Lumos Tech reserves the right to update or modify information contained in this manual without prior notice.
**The system only support and to be used with Canon or Nikon APS-C camera / 60mm macro lens for the best effect.

X-Core

Control unit, is for lighting set-up (includes Light Channel, Dimming Intensity, Status Display) and power input.

4X4 Barrel!

Shooting the fingerprints photos in the standardized format.

- Equipping White light, Blue light, the inner / outer rings are switchable.
- Each ring equips 16 High Power LED.
- The diversification of lighting positions in 4-Quadrant provide 11 modes illumination.
- 5-step dimming, intensity is from 0~100%.
- By quick-release magnet adapter to connect to DSLR camera.
- The barrel length is designed as a fixed working distance dedicated for the shooting of the latent fingerprint.



AgileLite Ring

Attaching onto the lens front end, used for macro / micro shooting.

- Equipping selectable or customized excitation light sources, the inner / outer rings are switchable.
- Each ring equips 16 High Power LED.
- The diversification of lighting positions in 4-Quadrant provide 11 modes illumination.
- 5-step dimming, intensity is from 0~100%.
- By quick-release magnet adapter to connect to DSLR camera.
- Rotate the Vari-focal Ring, to make illumination angle from 0 to 45 degree, the parallel light will concentrate to be the focused light.



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



Color Imaging Filter

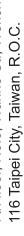
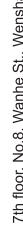


49mm.
Shipment ranging from 1 to 4 pieces,
depending on the model (or custom).

Filter Module	Emission Range	Note
49-LPA-C2	520-900nm	long pass, absorption filter
49-LPA-C6	560-900nm	
49-LPA-D0	600-900nm	
49-LPR-C2	520-900nm	long pass, reflection filter

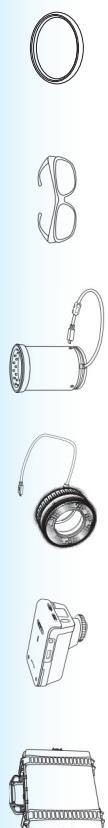


Distributor



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Product images for illustration purposes only.
Actual product may vary.

Accessories List



Part Number	Accessory Name	Description	Filter	Notes				
□ FAL-S-011	Protective Carrying Case (L)	X-Core x 2	AgileLite Ring x 5 365nm / 415nm / 470nm / 525nm / 840nm	4X4 Barrel x 3 415nm / 470nm / 525nm	Goggle x 4 Clear / Orange Yellow / Red	Filter x 4 LPR-C2 / LPA-C2 LPA-C6 / LPA-D0	520-900nm	long pass, absorption filter
□ FAL-S-012	Protective Carrying Case (L)	X-Core x 2	AgileLite Ring x 5 365nm / 415nm / 470nm / 525nm / 840nm	-----	Goggle x 4 Clear / Orange Yellow / Red	Filter x 4 LPR-C2 / LPA-C2 LPA-C6 / LPA-D0	560-900nm	
□ FAL-S-021	Protective Carrying Case (S)	X-Core x 1	AgileLite Ring x 1 White light + 470nm	4X4 Barrel x 1 White light + 470nm	Goggle x 1 Yellow or Orange	Filter x 1 LPA-C2 or LPA-C6	600-900nm	
□ FAL-S-022	Protective Carrying Case (S)	X-Core x 1	AgileLite Ring x 1 White light + 470nm	-----	Goggle x 1 Yellow or Orange	Filter x 1 LPA-C2 or LPA-C6	520-900nm	
□ FAL-S-023	Protective Carrying Case (S)	X-Core x 1	-----	4X4 Barrel x 1 White light + 470nm	Goggle x 1 Yellow or Orange	Filter x 1 LPA-C2 or LPA-C6	520-900nm	



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