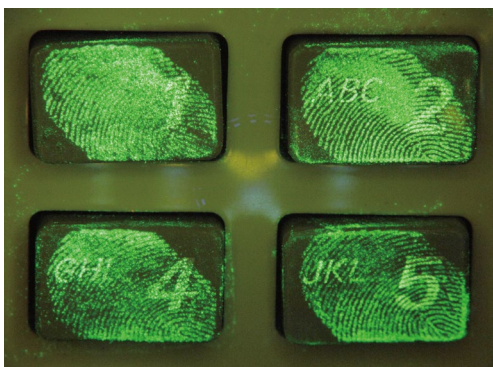# AgileLite 4x4

- Efficient on-site latent print search for evidence.

As Canon / Nikon's 60mm 1:1 macro lens has been discontinued, we recommend using Panasonic M43 Leica DG 45mm 1:1 macro lens to ensure the system performance.

► A study confirmed* our system is easy to use, even photographers without macro experience need not worry.

► The fixed magnification ratio used for all latent print photos, which can be directly input into AFIS, to ensures that the process of identifying suspects goes smooth.

► Regardless of the photography experience and skills from CSI users around the world, whom our system can assist in producing consistent quality of latent print photo, accurate and clear. For CSI directors, using AgileLite 4x4 system will help to control and manage the quality of forensic photos.

► The unique barrel design, blocks out ambient light to eliminate background interference, is easy to display fingerprint on reflective surface (fig.1) or material latent print photos with fluorescent powders (fig.2).

► The disposable contact ring at the lens barrel end prevents the barrel from being contaminated on site.

► Compatible with most fluorescent or non-fluorescent latent powders, there are two wavelengths of light that can be switched for use.

* Dr. Yu-Hsuan Lin, "Experience -independent fingerprint imaging using a dark-field ring light illumination System (a.k.a. AgileLite 4x4)", 2019 IEEE Instrumentation and Measurement Technology Conference

Fluorescent latent print on telephone buttons

Fingerprints on reflective aluminum foil (fig.1)

Latent print on US currency (fig.2)

X-Loupe® AgileLite System 4x4 Specification

X-Core (Control unit)

Function	Power ON / Off; Light Channel Switching; Lighting Segment & Dimming Control
Light Channel	2 Channels：W- White light F- Function light (fluorescence excitation, default Blue light)
Dimming intensity	Intensity is dimmable from 20% to 100% with 5-step dimming modes. Turbo feature may increase extra 20% output.
Illumination modes	9-segment modes：1*(whole ring on) mode; 4*(half ring on) modes; 4*(1:2 brightness ratio) modes.
Status Display	Battery check; Channel output; Lighting Segment; Lighting Intensity
Battery	Built-in Sanyo® Rechargeable Li-ion Battery, 5200mAh
Charging	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
Material	ABS and PMMA, RoHS compliant
Dimension	55(H)x62(W)x90(D) mm
Weight	175g

4X4 Barrel Light (Need to work with X-Core)

Compatible Camera lenses	Canon：60mm 1:1 macro lens Nikon：60mm 1:1 macro lens M43：Leica DG 45mm 1:1 macro lens from Panasonic
Light Sources	W channel：White light, High-output Cree® LEDX16 F channel：default Blue light (or Custom wavelength), High-out LEDX16
Lasting Time (5200mAh)	18 hrs with default light intensity, 6 hrs with maximum intensity.
FOV setting	4cm x 4cm (For latent fingerprint photography.)
Mounting Method	Magnet mount
Lens Filter	49mm / mounted on Screw-mount Adapter*
***Screw-mount Adapter**	Sold separately; variety depends on lens (fitting Canon/ Nikon).
Body Material	Aluminum
Body Dimension	92 mm (diameter) x 126 mm (length)
Power cable length	30 cm
Weight	265g

★We (Lumos Tech.) reserve the right to change the product appearance or specification. The contents of catalogs/ manuals are subject to change without prior notice.