

Lumos product range

A Serie

X-Loupe® Assay series-Starter Model



X-Loupe® Assay Series_A500 Specification

	X-Loupe® Starter	X-Loupe® Pro
Included Number of Objective Lens	1	3
Magnification Power	60X	60X · 100X · 150X
FOV (Field of View)	60X : 16x12mm, 100X : 9x6.5mm, 150X : 5.7x4.5mm	
Lens Material & Design	Schott® lead-free optical glass, Made in Germany : High performance aberration-corrected lenses	
Lens Coating	Multi-Layer Anti-Reflection (AR) coating	
Recommended DSC* with Perfect Performance	Canon IXY Digital 220, a.k.a. Digital IXUS 120 or PowerShot SD 940	
Camera Resolution	Approx. 12MP	
DSC* Specification	Please Refer to DSC* Manual	
Built-in Dimmable Illumination	8 White Light LED	
LED Life Cycle	10000Hrs	
Max. Current of Microscope Lens Module	90mA	
Power Source (1. Microscope Lens Module / 2. DSC*)	1. Canon NB-4L or Compatible Rechargeable Li-Ion Battery 2. Canon NB-5L Rechargeable Lit-ion Battery	
Characteristic of Battery included	750mAh Li-ion Rechargeable Battery SANYO Li-ion 750mAh UL-certified Battery Cell, with over-current and high-temperature protection circuits	
Max. Capacity of LI-ion Battery	750mAh	
Battery Charging	4 Hrs for the first time · 1.5Hrs for general usage	
Dimension of Microscope Lens Module	100x 60x 60 mm with 60X lens	
Dimension with Digital Still Camera(DSC*)	100x 60x 82 mm with 60X lens	
Material	Silicon, Aluminum Alloy, Optical Grade Glass, ABS, PC and Latex. RoHS compliant.	
Weight of Microscope Lens Module	Less than 150g	
Weight with DSC*	Less than 300g	
Color Temperature	6000K	
Operating Environment	0 ~ 40° C (32~104° F)	

Lumos product range

C Serie

X-Loupe® Conceiver Series-Starter Model



X-Loupe® Conceiver Series_C101 Specification

	X-Loupe® Starter	X-Loupe® Pro
Included Number of Objective Lens	1	2
Magnification Power	80X	80X - 160X
FOV (Field of View)	80X : 12.9x9.6mm, 160X : 4.5x3.4mm	
Lens Material & Design	Schott® Lead-free Optical Grade Glass, Made in Germany : High performance aberration-corrected lenses	
Lens Coating	Multi-Layer Anti-Reflection (AR) coating	
Recommended DSC* with Perfect Performance	Canon IXY Digital 200 F, a.k.a. Digital IXUS 105 IS or PowerShot SD 1300 IS	
Camera Resolution	Approx. 12MP	
DSC* Specification	Please Refer to DSC* Manual	
Built-in Dimmable Illumination	8 White Light LED	
LED Life Cycle	10000Hrs	
Max. Current of Microscope Lens Module	70mA	
Power Source (1. Microscope Lens Module / 2. DSC*)	1. Canon NB-4L or Compatible Rechargeable LI-ion Battery 2. Canon NB-6L LI-ion Battery	
Battery(ies) included	Canon NB-4L Compatible SANYO Li-ion 750mAh UL-certified Battery Cell, with over-current and high-temperature protection circuits	
Max. Capacity of (included) Li-ion Battery	750mAh	
Battery Charging(PLS use the camera's attached charger)	.1 Hrs for the first time · 1.5Hrs for general usage	
Dimension of Microscope Lens Module	100x 56x 68 mm with 80X lens	
Dimension with Digital Still Camera(DSC*)	100x 56x 88 mm with 80X lens	
Material	Aluminum, Optical Grade Glass, ABS, PC and Latex. RoHS compliant.	
Weight of Microscope Lens Module	Less than 190g	
Weight with DSC*	Less than 335g	
Color Temperature	6000K	
Operating Environment	0 ~ 40° C (32~104° F)	

Lumos product range

G Serie

X-Loupe® Gazer series-High-end Model



X-Loupe® G Series Specifications

Camera	G20		G21
Compatible Camera Types	Canon IXUS 120 IS aka IXY Digital 220 IS (Japan) Or PowerShot SD 940 IS (U.S.)		Canon IXUS 970 IS aka IXY Digital 820 IS (Japan) Or PowerShot SD 890 IS (U.S.)
Camera General Specifications (IXUS 120 IS)	12M Pixels (1/2.7" CCD) / 2.7" LCD / 4 stop Optical Image Stabilizer / 4X Optical Zoom / SD/SDHC memory card		10M Pixels (1/2.5" CCD) / 2.5" LCD / 4 stop Optical Image Stabilizer / 5X Optical Zoom / SD/SDHC memory card
Detail Camera Specifications	Please refer to Camera Operation Manual		
Exchangeable Objective Lenses	3 Lenses included		
Power	60X	150X	300X
Lens Material	Schott® no-lead Optical glass / Schott®		
Lens Design	X 3 glasses	X 5 glasses	X 6 glasses
Field of View	8 X 10.5mm	4 X 3mm	2 X 1.5mm
Resolution (by USAF 1951 Target)	90.5 lp/mm	181 lp/mm	228+ lp/mm
Illumination	60X	150X	300X
Fully Dimmable Co-axial Illumination	Yes	Yes	No
Low-angle Projection (Fully Dimmable with quadrantal- control)	Yes	Yes	Yes
Color Temperature	5000 - 6000K		
Light Source	White-light LED (Co-axial : 8pcs ; Low-angle : 8pcs)		
Battery Module			
Display	Battery Status, Illumination Status, Quadrantal Light Status		
Controls	Please refer to operation guide		
Battery	820mAh Sanyo Li-ion battery core, Canon NB-5L compatible Canon NB-5L		
Current Consumption	Max. 130mA		
Battery Duration	5 Hrs.		
Battery Charging	Please use the camera's attached charger, 8 hrs first time, 3 hrs for general usage.		
Max. Dimension (mm)	150(L, with 300X lens) X 108(W) X 65(H)		
Weight of Microscopic Lens Module	Less than 450g (Battery included)		
Weight with DSC*	Less than 660g (Battery included)		
Operation Environment	0-40° C / 32-104° F		