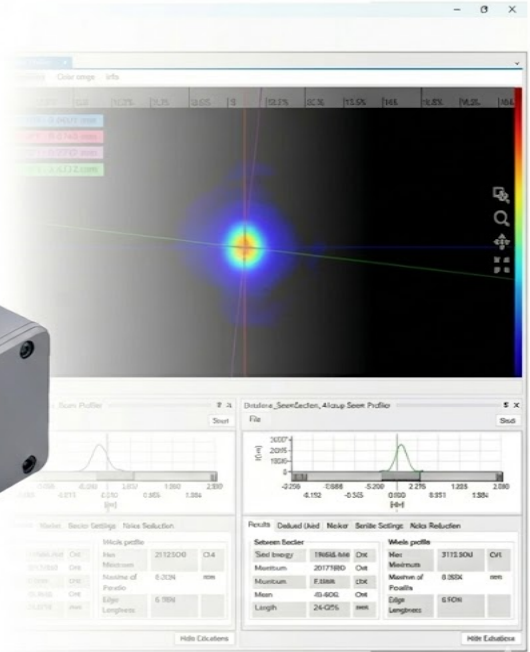


LUMOS Series

for **High-Precision Micro Beam** Profiling and Analysis

ONE-BODY Integrated modular solution from **UV to IR**.

FLEXIBLE UI with multiple detachable panels.



Technical Data	LUM-F-DUV ⁽¹⁾	LUM-F-UV	LUM-F-VIS	LUM-F-NIR
Wavelength [nm]	240 – 355	343 – 355	485 – 570	980 – 1064
Resolution [Pixels]	2848 X 2848 [8.1 MP]	2856 X 2848 [8.1 MP]		
Pixel Size [µm]	2.74 X 2.74			
Sensor Size [mm]	7.8 X 7.8			
Magnification ⁽³⁾	X20 / X10 / X05			
Minimum Measurable Spot Size ⁽⁴⁾	Ø 3 µm / Ø 6 µm / Ø 14 µm			
Sensor Type [Shutter]	CMOS [Global Shutter]			
Electrical Data	10-28 V / Gigabit Ethernet, POE			

REMARKS

- (1) LUM-F-DUV's BODY color is available in white. The rest of LUM-F-UV to NIR's body color is Black
 - (2) **Recommended power < 1 W** to avoid lens damage. LIDT Specifications available on request
 - (3) Measured optical magnification values are provided, which may differ from nominal values
 - (4) With ISO-1146 as the standard for measurable values, the minimum measurable size is 20 pixels
- **For changes in the exterior structure, it is necessary to check in advance whether it is possible before ordering

Product model number

LUM - F -

ONE-BODY Integrated solution
switchable from **UV** to **IR**.

Wavelength

DUV
UV
VIS
NIR

Magnification

X05
X10
X20



Objective Lens Unit⁽¹⁾

Can **Select Magnification**

from min. X05 to max. X20

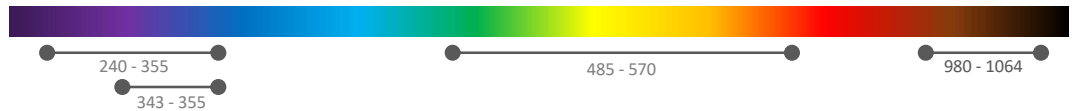
Available **3 types of Wavelength**

UV : 343 nm – 355 nm

VIS : 485 nm – 570 nm

NIR : 980 nm – 1064 nm

DUV/Provisional : 240 nm – 355 nm



Kind of **Neutral Density Filter**

Technical Data	for DUV	for UV	for VIS	for NIR
Wavelength[nm]	240 - 355	343 - 355	485 - 570	980 - 1064
Type	Reflective	Absorptive		
Optical Density ⁽²⁾	0.1 up to 4.0		0.1 up to 6.0	

Information for **Accessories**

	Data ⁽³⁾	5 m / 10 m / 15 m
Cable	Power (Trigger) ⁽³⁾	5 m / 10 m / 15 m
	Adapter	1.5 m (CEE 7/4 > IEC C13)
	Power Adapter	100-240 VAC(50/60Hz), 1.5A > 24 VDC, 3.0A
	USB	Include Operation Program / Manual / Certificate

REMARKS

- (1) For the DUV model, only magnification adjustment is available.
- (2) Four ND filters (OD 1.0, 2.0, 3.0, 4.0) are provided as standard. If you need an ND filter of a different OD, you can purchase additional filters..
- (3) 5 m cable is provided by default if the user does not select

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