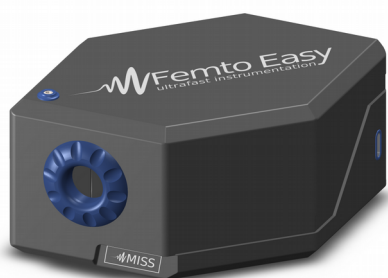


## MISS Spectrometer

MISS stands for Mini Imaging Spatial Spectrometer. This innovative spectrometer provides the same information as a spectrograph in a tiny footprint. The measured spectrum is spatially resolved along the incident beam diameter. The acquisition can be single shot up to 40 kHz. Thanks to its compact design, the MISS is easily integrable at different stages of amplified laser systems. It can be used in free space mode to take benefit of the spatial resolution, or with a fiber input, like a regular spectrometer.



- *Powerful and user friendly software*
- *Compact design*
- *From 245 to 1100 nm models available*
- *High spatial and spectral resolution*
- *Input beam diameter up to 12.7 mm*
- *Fiber input compatible*
- *Single shot capable*
- *Synchronization option available*

Models	MISS UV-VIS1	MISS IR1	MISS Yb	MISS UV-VIS2	MISS IR2
Spectral range (nm)	245 - 835	535 - 1100	890 - 1090	245 - 715	645 - 1100
Resolution	2056 x 1542 3 Mpx			2456 x 2054 5 Mpx	
Spectral resolution (nm/px)	0.29	0.27	0.1	0.23	0.22
Optical spectral resolution with 10 $\mu\text{m}$ slit (nm)	0.66	0.64	0.23	0.44	0.43
Input beam size (mm)	6.6			12.7	
Max. spatial resolution ( $\mu\text{m}$ )	4.3			5.2	
Exposure time min - max (ms)	0.024 - 1000			0.025 - 999	
Sensor type	CMOS 12 bits with 72 dB dynamic				
PC interface	USB 3, 57 fps			USB 3, 36 fps 77 fps with fast acquisition option	
Dimensions (mm)	135x95x47			152x112x47	