

AOTF Acousto-Optic Tunable Filter System

YSL Photonics' AOTF system is a simply plug and play module with any of the YSL supercontinuum system. For each integrated AOTF crystal, the system enables up to 8 simultaneous tunable wavelength channels. Combines of three different crystals, the AOTF module covers the entire supercontinuum spectrum from 400nm to 2400nm. The AOTF module can be equipped with either one or two of the AOTF crystal, according to customers' demand. The AOTF offers a free-space collimated beam as standard optical output. As an alternative, a single-mode fiber delivered output is also available.

Features:

- 400-2400nm filter range
- Simultaneous 8 channels output
- Linear polarized output
- Easy plug & play
- User friendly GUI

Applications:

- High resolution microscopy
- Fluorescence microscopy
- Nanophotonics
- Replace for several single wavelength laser
- Material characterization



Specifications:

| | AOTF | | |
|-----------------------------|--------------------|--------------|-------------|
| AOTF Crystals | VIS | NIR | IR |
| Wavelength Range | 400nm~650nm | 650nm~1100nm | 1100~2000nm |
| Filter Bandwidth | 2nm~7nm | 2nm~6nm | 4~16nm |
| AOTF Diffraction Efficiency | >90% | | |
| Output Efficiency | >40% | | |
| Polarization | Linearly Polarized | | |