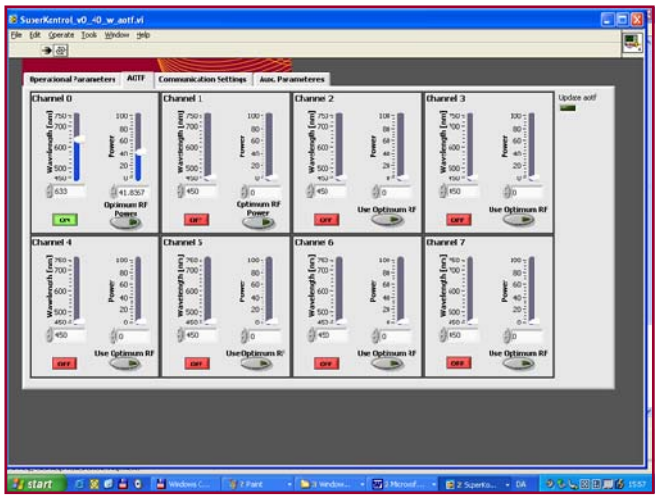
NKT Photonics
the power of light

Crystal Fibre • *aero*LASE • Koheras • SuperK

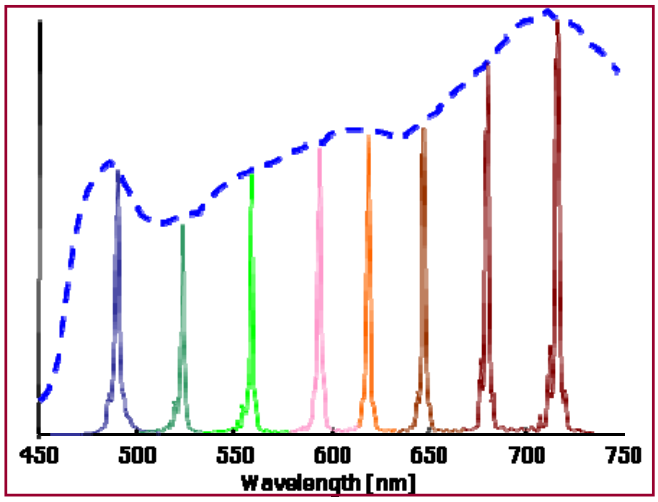
SpectraK Dual

Always on YOUR wavelength!

- Wavelength tuning over the SuperK spectrum
- Accusto Optical Tunable Filter (AOTF) technology
- Dual VIS/nIR, VIS/IR, nIR/IR port access
- 8 simultaneous, freely tunable wavelength channels
- Effortless *Plug & Play* design
- Easy to use *SuperKontrol* software interface
- Free space, collimated beam output, or
- SpectraK FDS broadband fiber delivery

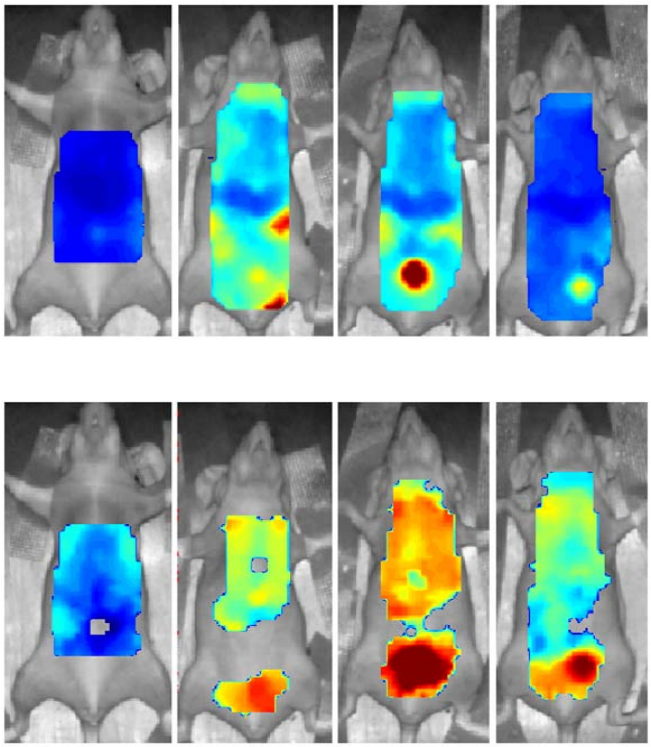


SuperKontrol software allows easy use of the SuperK™ source and the SpectraK Dual



Independent power and wavelength control of up to 8 simultaneously available lines per AOTF. The visible wavelength range is shown here.

SpectraK Dual with optionally available fiber delivery systems (FDS)



SuperK PowerPlus together with a SpectraK Dual and FDS optimized in the nIR used for in-vivo fluorescent lifetime imaging in a anaesthetized mouse (courtesey of ART Inc, Canada)

spectraK dual-100112

NKT Photonics A/S (Headquarters)
Blokken 84 • 3460 Birkerød • Denmark
Phone: +45 4348 3900
Fax: +45 4348 3901
www.nktphotonics.com

NKT Photonics GmbH
Schanzenstrasse 39 • Bldg D9-D13
51063 Cologne • Germany
Phone: +49 221 99511-0
Fax: +49 221 99511-650

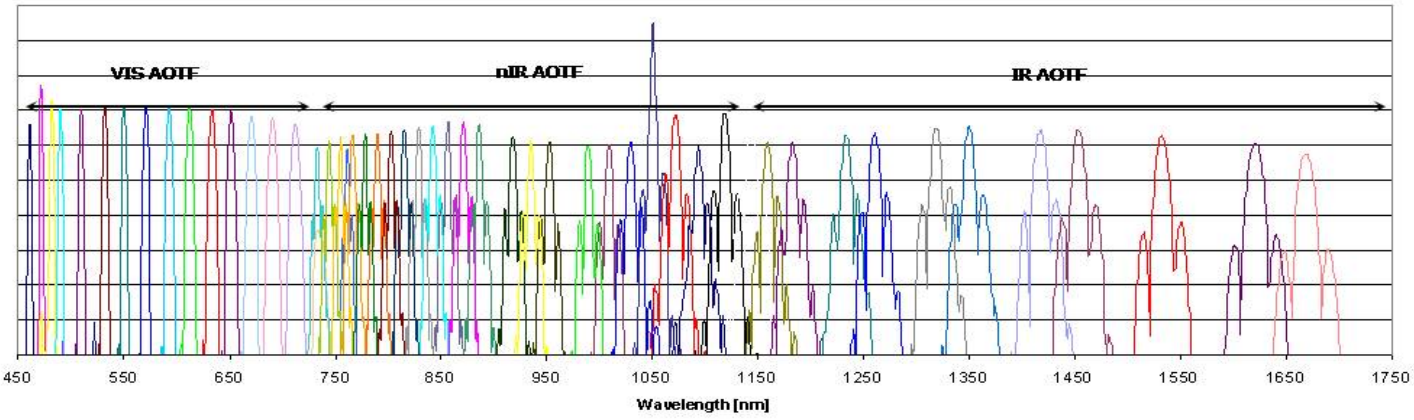
NKT Photonics Inc.
1400 Campus Drive West • Morganville
NJ 07751 • USA
Phone: +1 732 972 9937
Fax: +1 732 414 4094

SpectraK Dual

filtering the broad spectra of SuperK™ sources

SpectraK Dual Specifications	
AOTF Wavelength Coverage:	
UV	400-650nm
VIS	450 – 750nm
VIS-nIR	500 – 900nm
nIR 1	640 – 1100nm
nIR 2	800—1400nm
IR	1100 – 2000nm
Number of Tunable Lines	1 – 8 (per AOTF)
Filter Bandwidth* of AOTF (VIS)	0,5 - 2nm or 3,5 - 7nm
Filter Bandwidth* of AOTF (nIR)	3 - 6nm
Filter Bandwidth* of AOTF (IR)	5 – 14 nm
AOTF Deflection Efficiency	› 85 % (1-8 channel operation)
Polarization	Linear
Output Mode	Free Space Collimated
Mechanical Shutter	Integrated for both Output Ports
Laser Safety Interlock	Integrated and linked with SuperK Laser Series
Fiber Delivery	Optional **SpectraK FDS**

** Collimated free space output*



Gapless coverage on the SuperK™ Series spectrum

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