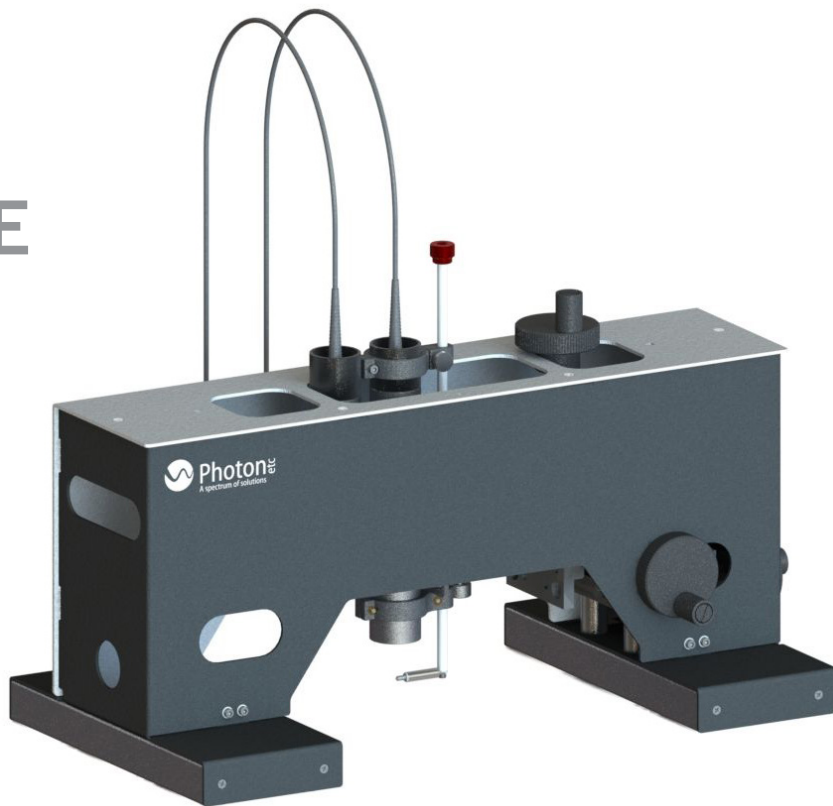




# IRina™

## INFRARED SPECTRAL PROBE



The IRina™ in vivo spectral probe can deliver full spectral measurements in the NIR-II range. Ideal to measure fluorescence emission from nanosensors or new dyes, its small form factor and ergonomic benchtop design allow easy measurement inside small living animals or thick tissues. Using the included PHySpec™ software, multiple acquisitions and time series are straightforward to acquire and analyze.

### TECHNICAL SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| Spectral range                | 900 - 1600 nm   |
| Spectral resolution           | 5 nm  |
| Spectral sampling             | ~ 1.6 nm  |
| Light source                  | 650 and 735 nm laser,<br>other wavelengths available upon request                           |
| Maximum laser power on sample | ~ 1 W   |
| Working distance              | 40 - 70 mm  |
| Spot size                     | 1 - 10 mm   |
| Focal length                  | 75 mm   |
| Detection sensor              | High sensitivity linear array   |
| Data format                   | HDF5, CSV, JPG, PNG   |
| Software                      | PC (Windows10 - 64-bits) with PHySpec™ control<br>and analysis software (computer included) |
| Computer interface            | USB   |
| Dimensions                    | 470 mm x 230 mm x 275 mm  |
| Weight                        | 2 kg  |