



NLIR

NLIR | Mid-Infrared Sensors

Maker of World
leading **Mid-Infrared**
Spectrometers and
Detectors

Super fast and ultra sensitive products

2.0 – 5.0 μm SPECTROMETER

Fiber coupled mid-infrared

- 5 cm^{-1} resolution
- Up to 10000 scans
- -80 dBm/nm
- Full range

130 kHz

-80 dBm/nm



2.2-5.0 μm DETECTORS

Mid-Infrared

- 10 GHz
- NEP 5 $\text{fW}/\sqrt{\text{Hz}}$

10 GHz

NEP 5 $\text{fW}/\sqrt{\text{Hz}}$

7.6 – 12.0 μm PROTOTYPE SPECTROMETER

NLIR is expanding its technological framework into longer wavelength regions, currently 7.6 μm – 12.0 μm .

The spectrometer has free-space input and is therefore best utilized to analyze samples with a fixed, known light source like a conventional FTIR instrument.



MIR LIGHT SOURCE

Mid-Infrared light source

- Thermal light source
- 1.2-8.0 μm

People

TEAM



Peter Tøttrup
*CEO, Co-founder, Ex VC
General Partner*



Tom Olesen
*CTO, Investor, Co-founder
of Unisensor sold to Philips*



Martin Bech, BSc
Mechanical Engineer



Ricard Pedersen, MSc
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