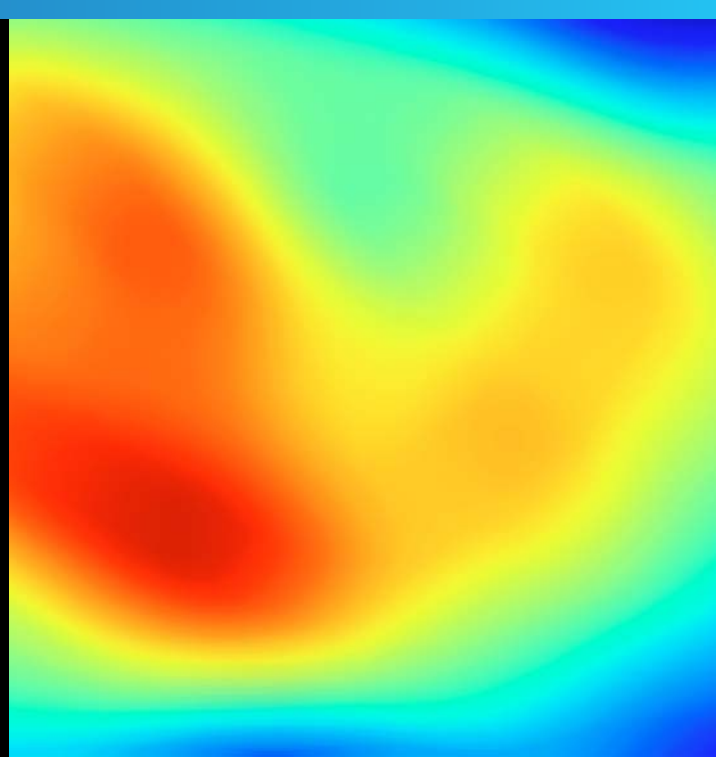


Xplore

THE MOST POWERFUL & ROBUST TERAHERTZ ENGINE

Using its experience in the development of terahertz wave solutions for the industry, das-Nano has developed the most powerful and robust terahertz system for research, and the development of your own applications.



XPERIENCE

Co-developed with the *Fraunhofer Institute* in Germany.



XPANDED FEATURES

Flexible breadboard configuration in transmission.
Reflection head in pitch-catch configuration.
Reflection head in normal reflection mode..



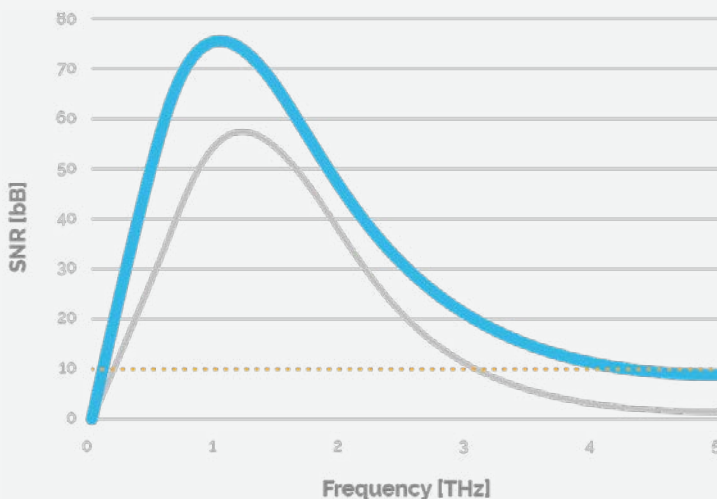
XPEED

40 Hz.

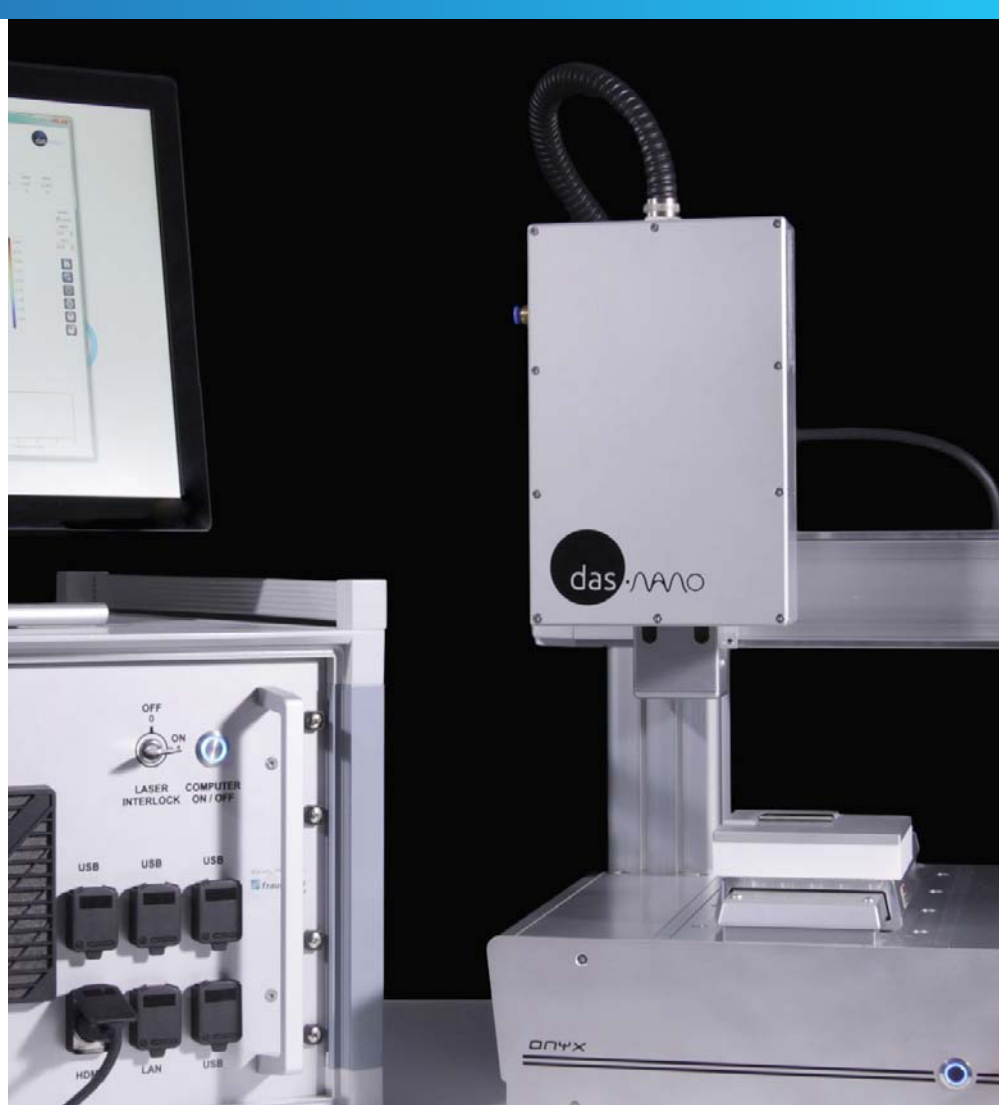


XTENDED PERFORMANCE

Re-engineered by das-Nano to reach up to 4.5 THz bandwidth.



CHARACTERISTIC	VALUE
Central Wavelength	1560 nm \pm 30 nm
Average Power	>120 mW
Pulse Energy	>1.2 nJ
Pulse Width	<90 fs
Repetition Rate	100 MHz
Repetition Rate Instability	<1 ppm over 90 hours
Timing Jitter	<2 fs [rms, 10 kHz.. 10 MHz]
Polarization	linear, s-polarized
Beam Height	60 mm



PIONEER PACKAGE:

Pushing your boundaries

- ✓ Integrated 3D imaging system.
- ✓ Imaging acquisition software.
- ✓ Reflection and/or transmission.

CONQUEST PACKAGE:

Sky is the limit (add to Pioneer package)

- ✓ Polarization sensitive measurements.
- ✓ Advanced software for high resolution imaging (down to 50 μm) or ultra fast lower resolution.
- ✓ Advanced waveform processing for layer extraction.

