



Detect, analyze and localize RF signals

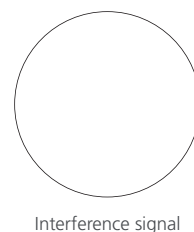
IDA 2

Interference Direction Analyzer

Flexible: Always just what you need

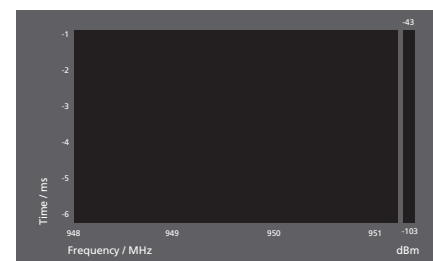
IDA 2 combines a frequency scanner / receiver, transmitter detector, spectrum analyzer, signal analyzer and triangulation software in a single, portable device. As a result, it can be adapted to ideally meet your requirements, and the device functions can be expanded by means of "Application Packages" and accessories. The wide range of accessories also includes directional antennas with built in switchable preamplifier and electronic compass.

Persistence Spectrum



The **Persistence view** shows the incidence of a particular amplitude value at a given frequency in different colors. This makes it easy to spot sporadic signals. Interference that in other views is swamped by the wanted signal can be easily distinguished because of the color differences.

High Resolution Spectrogram Zoom



The **spectrogram** allows an overview of the entire signal sequence that is captured. The color values indicate the signal levels. Up to 8000 spectrums are combined into one view in this way. Even the briefest of impulses in the microsecond range are reliably detected without interruption and displayed, and each individual spectrum can be examined in detail and evaluated using the marker functions.

New standards: IDA 2 with Ethernet connection

The I/Q data captured by the IDA 2 provides a depth of analysis that was previously only available from very large laboratory instruments, now possible in a hand held battery-operated device that weighs less than 3 kilograms. The IDA 2 reveals weak or sporadic signals and interference that may be hidden behind stronger signals or variable frequency payload signals, now directly on site.

A wide range of external filters is available for situations where the IDA 2, despite its large dynamic range, might be "electronically dazzled" by a very strong emitter. These filters have a compact design and the matching Mounting Kit ensures that portable use of the IDA 2 is fully maintained.

Active antenna handgrip



Ergonomic: More than just a handle

The extremely light, ergonomically formed handgrip complements the low weight of the IDA 2 perfectly. It includes a switchable preamplifier, electronic compass and position sensors. It also automatically detects the antenna type and the polarization of the antenna that is attached to it. To save weight, the power supply is drawn from the basic unit through the control cable.

Dead accurate: Antennas for every frequency range

IDA 2 covers a wide frequency range. Four interchangeable antennas, each optimized for its particular frequency range in terms of sensitivity and directional characteristic, ensure excellent direction finding accuracy. All Narda antennas are notable for their low weight and robust construction. The universal antenna adapter also allows antennas from other manufacturers to be used.

The Application Packages match the IDA 2 flexibly to your requirements:

- ▶ **Antenna Basic Kit:** Antenna set for the frequency range 400 MHz to 6 GHz (e.g. cell phone signals)
- ▶ **Antenna Extension Kit:** Expands the frequency range to cover 9 kHz to 500 MHz
- ▶ **Off-Site Extension:** Accessory set for outdoor and in-vehicle applications
- ▶ **Receiver:** Expands the IDA 2 with a wide range of receiver functions
- ▶ **I/Q Analyzer:** Expands the IDA 2 with comprehensive signal analysis functions
- ▶ **Direction Finding:** Expands the IDA 2 with intelligent direction finding and localization functions

Our online "Signal Guide" tool gives you an overview of wireless services and the modulation types using typical signal scans recorded with the IDA 2.



Directional antenna 1, 20 MHz - 250 MHz



Directional antenna 2, 200 MHz - 500 MHz



Directional antenna 3, 400 MHz - 6 GHz



Frame antenna, H field 9 kHz - 30 MHz





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