

NavX[®]-NCS Product Line

Data Sheet | August 2011



Multi-GNSS RF Signal Generation

NavX[®] - Leading Edge GNSS Test Solutions

The test reference for multi-GNSS consumer navigation equipment and multi-frequency GNSS safety and professional applications.

Supporting GPS, Galileo, GLONASS, QZSS, SBAS and more to come. All-in-one-box.

Select your HW platform. The 'NavX[®]-NCS Essential' for consumer L1 RF-band or the 'NavX[®]-NCS Professional' for multi-frequency applications (with up to 9 RF-bands).

Select your SW platform. 'NCS Test Center' for Production & System Integration or the 'NCS Control Center' for unlimited Research & Development tasks.

Extend your GNSS capabilities by simple SW licensing.

Scalable from 13 to 42 or 12 to 108 full signal channels.

Multi-GNSS

Two Hardware Platforms

Two Software Platforms

Flexible Capability Licensing

Modular HW Plug-Ins



IFEN GmbH
Alte Gruber Straße 6
85586 Poing
Germany

In co-operation with
WQWK
MICROWAVE



NavX®-NCS Product Line

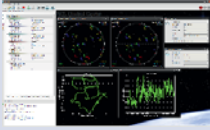


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Product Line Overview

To cover the different user testing needs, the NavX®-NCS GNSS RF signal generator is available in two major versions.

The baseline products 'Professional' and 'Essential' are also available in customized versions for special research and development testing needs.

The NavX®-NCS 'Pseudolite' is a combination of elements from the 'Professional' and 'Essential' product with additional capability for generation of pulsed signals.

NavX®-NCS Type	Professional	Essential	Pseudolite
Deliverables  NCS Control Center or NCS Test Center SW	1 HW SG unit (incl. MERLIN's) 1 PC with Control Center SW  NavX®-NCS Professional 19" 2HU housing	1 HW SG unit (incl. BLACK JACK's) 1 PC with Test Center SW  NavX®-NCS Essential 19" 1HU housing	1 HW SG unit 1 PC with control SW Housing same as Essential
Application Area	Multi-frequency/multi-GNSS for R&D signal generation for the professional navigation market	Single-frequency/multi-GNSS for R&D, system integration and production testing for the consumer / automotive market	Multi-frequency/single-constellation for R&D signal generation for GNSS test ranges
GNSS Capabilities	GPS L1 C/A & P (incl. SBAS L1) GPS L2P & L2C GPS L5 Galileo E1 BOC/CBOC Galileo E6 (w/o encryption) Galileo E5ab GLONASS G1 GLONASS G2 QZSS L1 C/A & SAIF SBAS L5	GPS L1 C/A Galileo E1 BOC/CBOC GLONASS G1 standard accuracy SBAS L1 QZSS L1 C/A & SAIF	Galileo E1 BOC/CBOC Galileo E6 (w/o encr.) Galileo E5ab or GPS L1 GPS L2 GPS L5 with additional pulsed signals capability
Modules / Channels	up to 9 MERLIN modules 12 - 108 channels	up to 2 BLACK JACK modules 13 - 42 channels	Custom modules Up to 36 channels
Simultaneous Frequencies	up to 9 (1 freq. per module)	different GNSS signals per module	up to 3 frequencies
Other Options	Noise generator	no	no
Physical	Size: 2 HU, 19" Weight: < 10 kg	Size: 1 HU, 19" Weight: < 7 kg	same as Essential
Electrical	Input voltage: 110 / 250 VAC Power: < 120 W	Input voltage: 110 / 250 VAC Power: < 70 W	Input voltage: 24 VDC Power: < 120 W

More NCS

For more details please check the data sheets for the NavX®-NCS Professional and Essential versions. Visit our web site or contact our sales office directly.



NCS Essential Flyer



NCS Professional Flyer