

NUVX.IQ

CLOUD BASED RF INFOTAINMENT
TESTING PLATFORM

ONE PLATFORM, MULTIPLE SIGNALS.



NUVX.IQ

Cloud Based RF Infotainment Testing Platform

Controlar
innovating industry



NUVX.IQ - Cloud based RF Infotainment Testing Platform manages signals generation, according to each Infotainment testing situation.

NUVX.IQ can generate signals that cover the different communication standards and protocols required for automotive infotainment tests. The signals can be sent to different hardware configurations integrated in factory plants, productions lines or test stations.

It can be used for testing a wide range of automotive infotainment solutions, with the integration of future communication technologies in NUVX.IQ platform.

The cloud-based server runs the necessary algorithms to create I/Q waveforms for different standards and protocols required in the automotive infotainment industry. NUVX.IQ platform is also able to manage I/Qs from third-party protocols. Some examples are shown in the table below.

Broadcasting	Localization and Navigation	Connectivity	Vehicular
AM	GPS	Wi-Fi	V2X & C-V2X
FM / RDS WAV playing Multiple carrier	GLONASS	Bluetooth	CAN, ModBus
DAB	GALILEO	GSM / GPRS (2G / 2.5G)	TPMS, etc
DVB	Beidou	UMTS / WCDM A (3G)	ADAS
	SDARS	LTE (4G)	



Easy Configuration

Easy and remote configuration based on each company structure (including factory plants, production lines, test stations and hardware platforms installed on functional and EOL test equipment). This is done using the NUVX.IQ web server in a flexible and upgradable way.



Fine tuning

Generation of specific signals according to each testing situation, by selecting the communication standards and protocols to be reproduced at a given station and hardware platform. Signals characteristics are also specified in the platform, previous to the generation on the client application or test sequencer.



Simplified installation

No need for complex RF standards or protocols toolkits to be installed on each test station thanks to NUVX.IQ licensing approach.



Low investment

Based on Hybrid PaaS (Platform as a Service) exploitation models. There is no need for multiple license configurations with higher costs and no flexibility.



Cloud-based solution

Always up-to-date and easily upgraded systems, which can be safely managed off-site and dimensioned to the real needs.



Future proof

Future testing technologies continuously integrated in the platform so industry needs are fully covered.

Innovation, Quality and Passion for Engineering.

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