

Product Brief

VIAMI

NITRO Mobile

Intelligence, Assurance, and Optimization

Solving Industry Challenges

The evolution to virtualization. Network automation. Massive traffic growth. IoT. Pressures to increase service velocity and revenue. The advent of 5G. These are just some of the challenges mobile service providers are facing throughout the complex service life cycle. Consumers are demanding mobile services that are always on and always available, and that everything is connected. In response, operators are deploying ultra-dense, massively scalable, virtualized, and automated networks that can deliver dynamic, low latency and high bandwidth services – today and in the future.

Introducing NITRO Mobile

Powered by the VIAMI Network Integrated Test, Real-time analytics and Optimization (NITRO) intelligence platform, NITRO Mobile addresses these challenges by taking a subscriber-centric approach, and together with service-focused unified workflows, delivers correlated geolocated app-aware insight.

NITRO Mobile captures, locates, and analyzes all mobile events across RAN and core, providing mobile service providers unprecedented detail for optimizing the customer experience as well as network performance. As operators evolve from LTE to 5G, NITRO Mobile has the scale and virtualized architecture to meet ever-growing data capacity demands while supporting automated optimization and analytics for third party applications.

Features

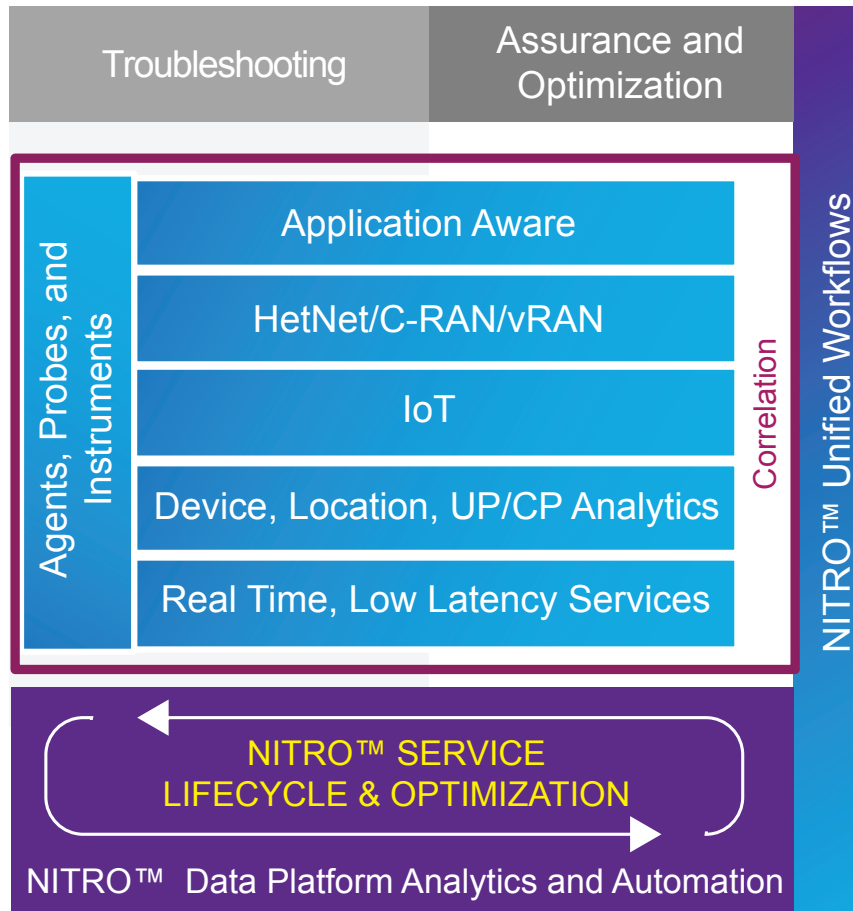
- Scalable and virtualized
- Open APIs
- Integrated agents and software
- Automated
- Unified workflows

Benefits

- Improved service velocity and revenue
- App-aware intelligence for superior QoE
- Operational efficiency
- Supports the evolution to 5G
- Enables new revenue streams

NITRO Mobile uniquely connects virtual and physical instruments with software-based assurance and optimization probes, agents, and applications, sharing end-to-end intelligence throughout the lifecycle.

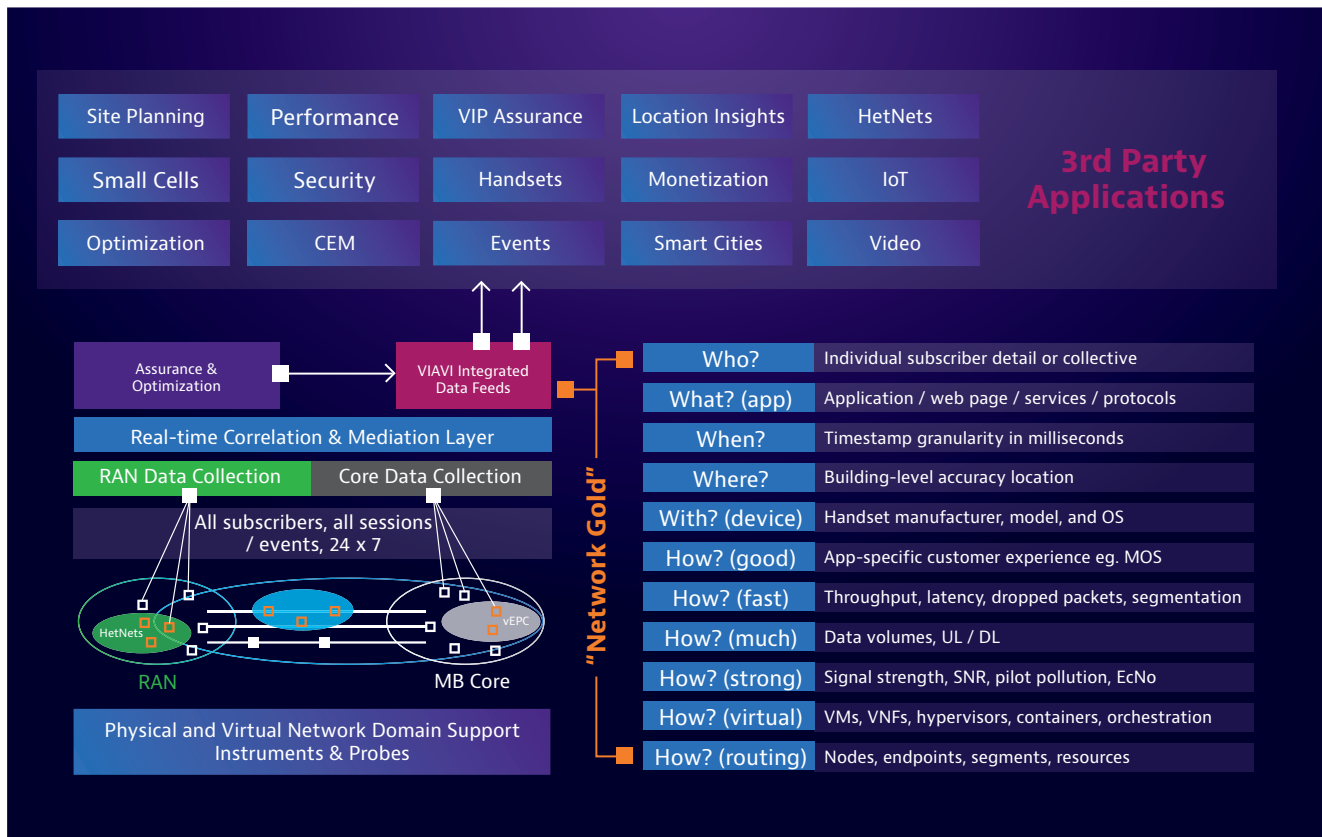
By increasing the automation of context-driven workflows, NITRO Mobile helps you manage your mobile network with less manual intervention. Through feeding real-time data from instruments and software virtual agents into a single presentation layer, NITRO Mobile, together with the scalability of the virtualized platform, helps reduce complexity and increase the automation necessary to confidently manage the evolution to 5G.



The NITRO Mobile family includes the following solutions.

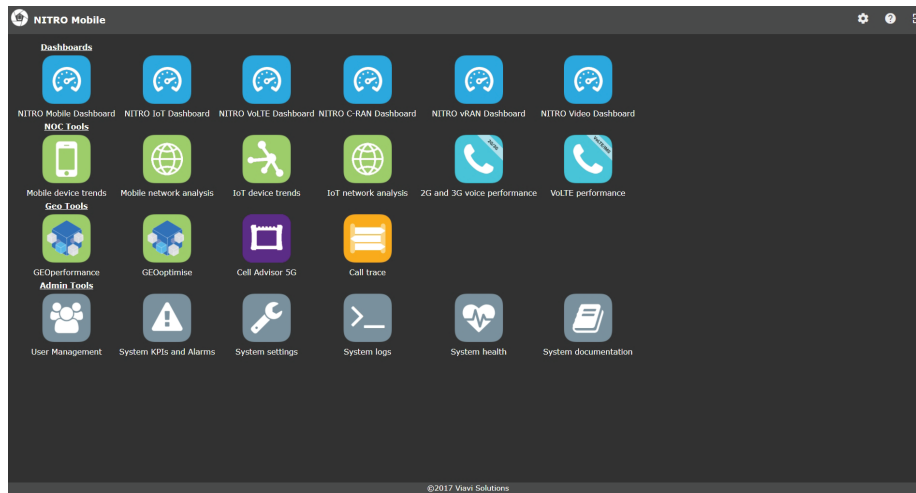
NITRO Mobile Intelligence

NITRO Mobile Intelligence delivers integrated intelligent data feeds that can be easily consumed by third-party applications, meeting the growing analytics and monetization demands of mobile service providers. NITRO Mobile Intelligence means you only get the network, service, and customer insight you need, saving the time and effort needed to sift through vast quantities of data, and enabling new revenue streams.



NITRO Mobile Assurance

As the complexity and non-uniformity of mobile networks abound, there is an even greater need to manage and assure networks, services, and customers, while delivering superior QoE and identifying and resolving service-affecting issues quickly and efficiently. IoT, C-RAN, V-RAN, and the evolution to 5G all demand assurance solutions with the deep correlated RAN-to-core insight, as well as context-driven workflows, that are provided by NITRO Mobile Assurance, minimizing OpEx.



NITRO Mobile Optimization

Manually optimizing the network to provide the optimal coverage and capacity while meeting the OpEx constraints of the business is no longer an option. NITRO Mobile Optimization is built on VIAVI subscriber-centric, geo-located optimization capability, addressing data, VoLTE, OpEx, and energy. NITRO Mobile Optimization complements SON solutions, while forming the foundation for automated, programmable E2E 5G networks.

VIAVI, with heritage in both instruments and systems software, is uniquely positioned to deliver real business benefits, by enabling automated, virtualized networks and services through NITRO Mobile intelligence, assurance, and optimization solutions.