



RADCOM High-Capacity User Analytics

**Cost-efficient, comprehensive user plane analysis
and monitoring**

The Challenge: Navigating Network Complexity and Data Deluge in the 5G Era

For mobile operators, delivering an exceptional customer experience is a key differentiator in today's competitive market. Achieving this requires consistently providing superior service quality, which depends on thoroughly analyzing each subscriber's experience. However, processing and interpreting quality KPIs for individual users remains a significant challenge.

This conundrum is further intensified by the rapid adoption of 5G technologies and AI-native networks, which are transforming the telecommunications landscape. The surge in data consumption places unprecedented demands on network infrastructure, increasing both operational costs and complexity for mobile operators.

The Solution: Unlocking Next-Gen Insights With RADCOM's High-Capacity User Analytics

RADCOM High-Capacity User Analytics addresses these challenges. It empowers operators to efficiently and cost-effectively process enormous volumes of data and deliver comprehensive, insights into individual subscriber experiences. It helps operators dramatically reduce data processing costs across the entire subscriber base while unlocking monetization opportunities.

Architected for Scale, Delivers on Savings

Designed for both network and business applications, and going beyond the limited sample approaches, the solution features:

- Highly efficient architecture allowing it to process massive data traffic, essential for large-scale AI-driven network analysis
- Workflows that are powered with essential per-user and service real-time insights
- Accelerated computing reaching bandwidth capacities of 400 Gbps on a single commercial off-the-shelf (COTS) server
- Data capture and processing at the edge for 100% of the traffic
- Lower operational costs

“RADCOM offers an advanced 5G network intelligence portfolio which gives it a head start in developing the next-generation of service assurance functionality... RADCOM's solutions allow operators to troubleshoot network performance at both a high and granular level, reducing costs and optimising resources.” Analysys Mason

Driving consolidation

By integrating user-level analytics with RADCOM's powerful core and RAN monitoring, operators can finally reduce the number of their network monitoring platforms. With RADCOM's end-to-end monitoring and analytics over RAN and core networks, augmented with user plane insights, mobile operators can now gain greater subscriber and service visibility in their CRM, service management and network platforms while optimizing network computing resources and reducing operational costs.

Adaptive, Non-Invasive Network Solution

RADCOM's High-Capacity User Analytics solution is non-intrusive, unlike in-band approaches. This means reduced integration costs and flexibility to accommodate any changes in the scope of monitored traffic. Operators can rapidly expand monitored segments such as enterprises and VIP groups.

Unlock Monetization Opportunities

Extracting insights from data services is not straightforward. This is further compounded by data encryption, which makes understanding network performance more challenging. Full DPI (Deep Packet Inspection) capabilities, including patented video QoE analytics technology, are embedded in the solution. This

is a critical capability for monitoring the quality levels of the most common service delivered over the mobile network. It also opens the door to advanced monetization opportunities, such as video calls on instant messaging applications. These can be assigned to a dedicated 5G slice to ensure the best experience for paying subscribers, while other video streaming services can remain on 'general-purpose' slices.

Benefits



Enables cost efficiencies

Up to 75% lower operational costs



Delivers non-intrusive monitoring



Offers full DPI capabilities



Provides 100% visibility

Traffic, service data



Reduces storage costs



Consolidates network monitoring tools

We Can Help Today

For further information: visit www.radcom.com
or [contact us](#) for a demo.

All rights reserved. This material contains proprietary information of RADCOM Ltd. Without the express prior written permission of RADCOM Ltd., no part of the contents hereof may be used for any other purpose, disclosed to persons or firms outside the recipient company, or reproduced by any means. RADCOM Ltd. reserves the right, at its sole discretion, to make changes at any time in its technical information, specifications, and services.