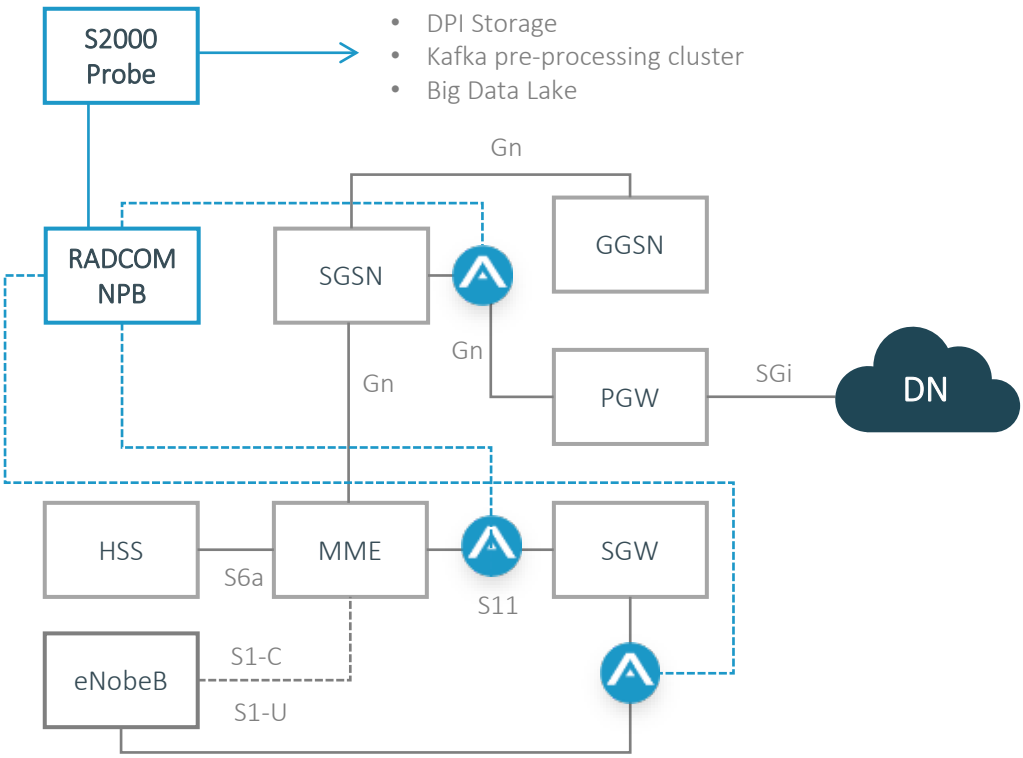
S2000 PROBE

DATASHEET

Product Overview

The S2000 is a probe-based solution used by telecom operators and vendors to troubleshoot their mobile (2G – 5G) networks and is designed to help understand issues in the packet core problems and perform user plane analysis more simply and faster than competing solutions. The S2000 probe can also export XDRs for later analysis as well as show an end-to-end call flow which displays signaling and user plane traffic for easy analysis of session data. RADCOM's solution enables operators to effectively handle network expansions and mobile technology transitions while replacing legacy probe solutions.



Key Features

- Supports 2G, 3G, 4G, 5G technologies
- Network troubleshooting capabilities:
  - Call Tracing
  - Customer Experience Analysis
  - Deep Packet Inspection
  - Video Analysis
- XDR export for storage in an external database for later analysis
- Supports MOS
- APIs for easy access to enrichment data as well as network analysis
  - Enrichment tables
  - Export XDRs to database
  - Import/Export information from/to vendors' applications

Key Benefits to Operators

- Simple to deploy
- Short learning curve and easy to use
- Small footprint
- 24x7 network analysis
- Includes essential applications – DPI, video analysis
- Support for all control-plane and user-plane protocols, such as TCP, FTP, HTTP, RTSP, GTP, DNS, POP3, SMTP, Radius, IMS
- Includes troubleshooting capabilities:
  - UE tracing (call-flow ladder diagram)
  - Call flow export to PCAP

Use cases

Call Tracing

Offers a session-based, call tracing application for detailed network analysis. Providing an end-to-end correlated view of the subscriber or network sessions for root cause analysis and quick resolution of issues.

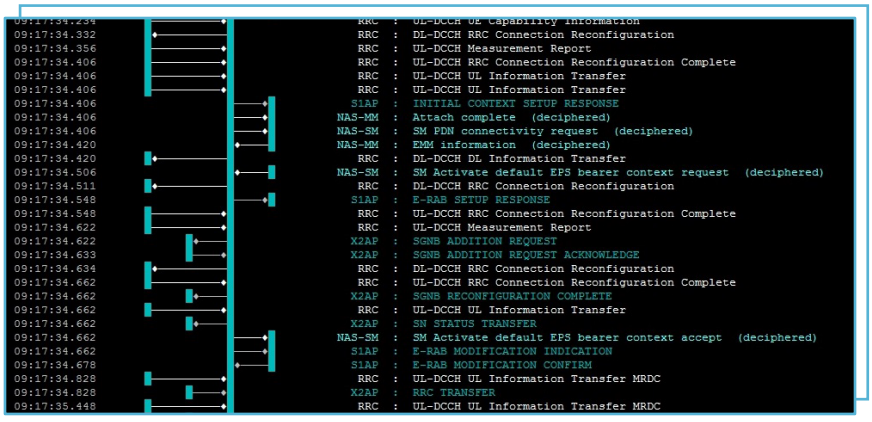


Figure 1 - Using RADCOM's S2000 solution for deep packet analysis of 5G NSA

Deep Packet Inspection

The S2000 uses multiple technologies, including heuristics and statistical analysis, to classify and detect traffic flowing through the network. In addition, by utilizing signature mapping the S2000 can provide TCP based quality metrics for the Quality of Experience (QoE), giving the operator key insights into the network, which applications are being used, and how the traffic is flowing through the network.

Video Analytics

RADCOM's S2000 utilizes AI capabilities and cutting-edge ML and heuristic modeling to provide an understanding of the perceived Quality of Experience (QoE) for encrypted HTTPS and QUIC based video streaming such as Netflix, YouTube, Facebook, Amazon Prime and regional specific services (like Iflix, Viu and Rakuten TV). RADCOM's solution can be deployed on any network and trained for operator-specific use cases.

Customer Experience Management

RADCOM's S2000 provides end-to-end network intelligence that can be used by operators for their customer experience dashboards to smartly monitor the entire subscriber journey. By deploying RADCOM's S2000 solution operators can improve customer retention, differentiate their customer experience and truly understand the customer experience and troubleshoot the service performance to ensure the delivery of high-quality services to their subscribers.

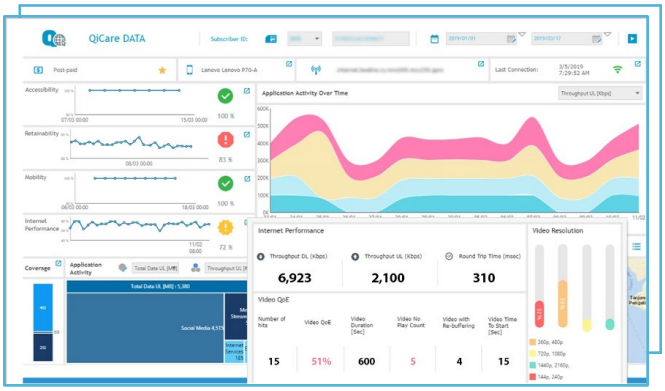


Figure 2 – RADCOM's S2000 provides data for customer experience dashboards

Hardware Specifications

Minimum Server Requirements	2 CPUs (x18 cores + hyper-threading)
Minimum Memory	128 GB RAM
Storage	4.5 TB
DPDK NIC Support	Supports ports of 10-100 Gbps
OS	Centos 7.6

For more information, please visit www.radcom.com