

# Omni-Q Lite for IPTV

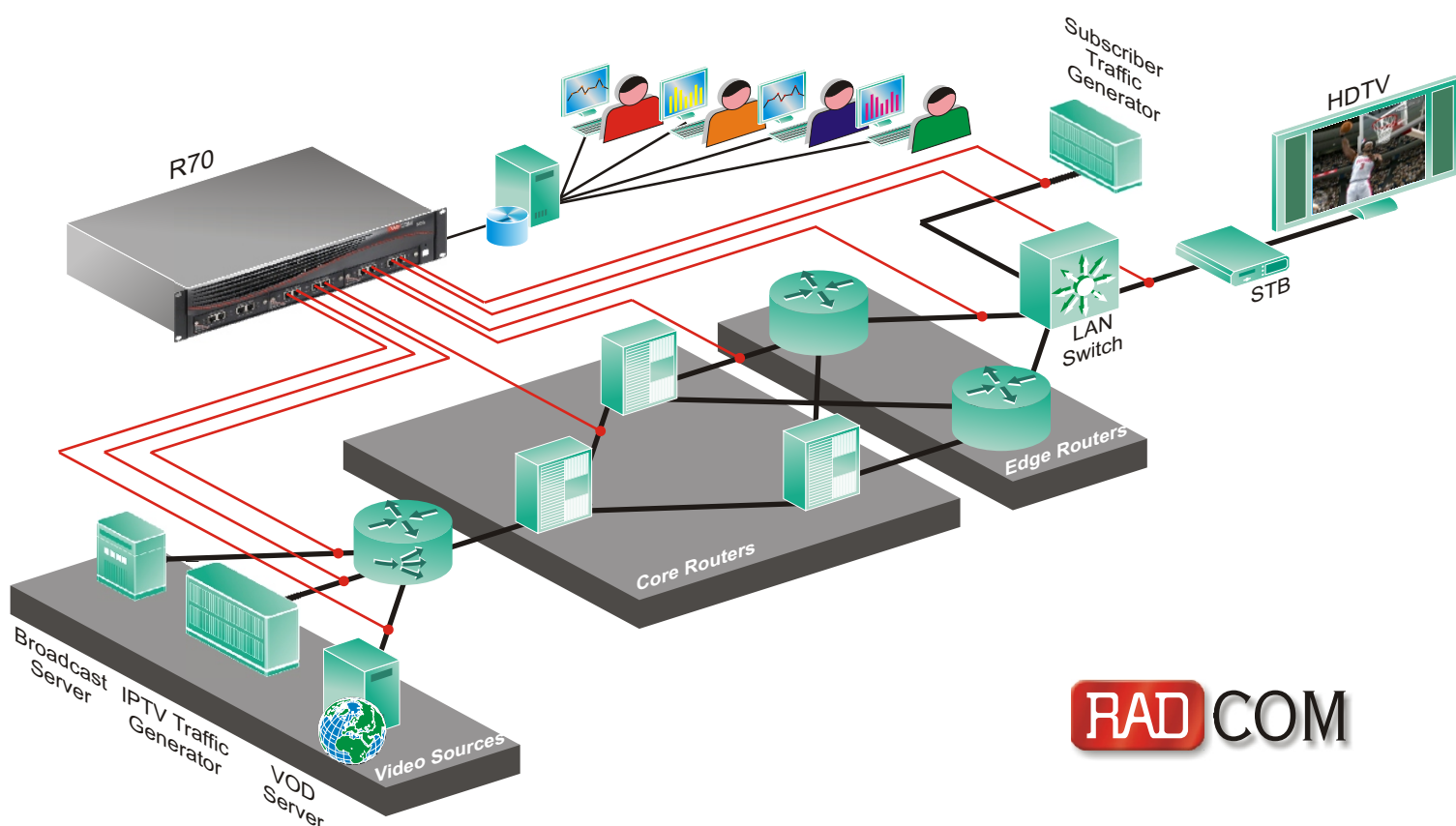
## Analyzing IPTV Traffic

RADCOM's Omni-Q Lite for IPTV is an easy-to-use test set for large and medium-sized IPTV labs and development centers. Omni-Q Lite for IPTV has the capacity to analyze and monitor the entire lab with a single hardware box, while providing detailed real-time and historical traces and logs for all the traffic in the lab.

Omni-Q Lite for IPTV is used by large and medium-sized vendors developing network elements for IPTV networks. It analyzes up to 12 links that can connect anywhere in the lab, providing a simultaneous view of all IPTV streams that traverse the IPTV network elements within the lab. The system can monitor all locations in the stream path, as well as measure both media and signaling properties. With Omni-Q Lite for IPTV, vendors get an overall activity and performance view of the entire lab.

### Features and Benefits

- ▶ Troubleshooting and analysis of VOD and Broadcast IPTV traffic
- ▶ Full video and audio quality of experience (QoE) analysis
- ▶ Full-packet-network analysis information
- ▶ Network element and server analysis
- ▶ VoIP and IPTV capabilities: video/IP capabilities for video telephony and video conferencing using SIP, MGCP, H.248 or H.323 signaling
- ▶ Protocol decode
- ▶ PMOS and vFactor analysis using VQMS
- ▶ Detailed ES (Elementary Stream) and PS (Program Stream) statistics
- ▶ Auto-detection of IPTV streams and MPEG TS
- ▶ Continuous 24/7 logging of traffic patterns and measurements
- ▶ Continuous and simultaneous logging and reporting for thousands of streams with media quality analysis, packet network performance and MPEG TS analysis
- ▶ Multi-port and multi-box information correlation
- ▶ Configurable alarms and traps
- ▶ Multi-user, intuitive web-based GUI
- ▶ Predefined and user-customized views, with convenient drag-and-drop editor
- ▶ Offline long-term or short-term analysis, as well as real-time analysis
- ▶ Video recording per request or using fault triggering
- ▶ Trend analysis
- ▶ Flexible Copper/Fiber GbE Tap or pass through or mirror point connectivity



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# Omni-Q Lite for IPTV

## Typical Users

- ▶ Regression testing
- ▶ Trending and baselining
- ▶ Load testing
- ▶ Long duration testing
- ▶ Troubleshooting

## Measurements

- ▶ Media quality
- ▶ MPEG transport stream syntax and errors
- ▶ Packet Network impairments: Jitter, Loss, Burst, Gaps
- ▶ IGMP and RTSP statistics and performance

## Specifications

### R70

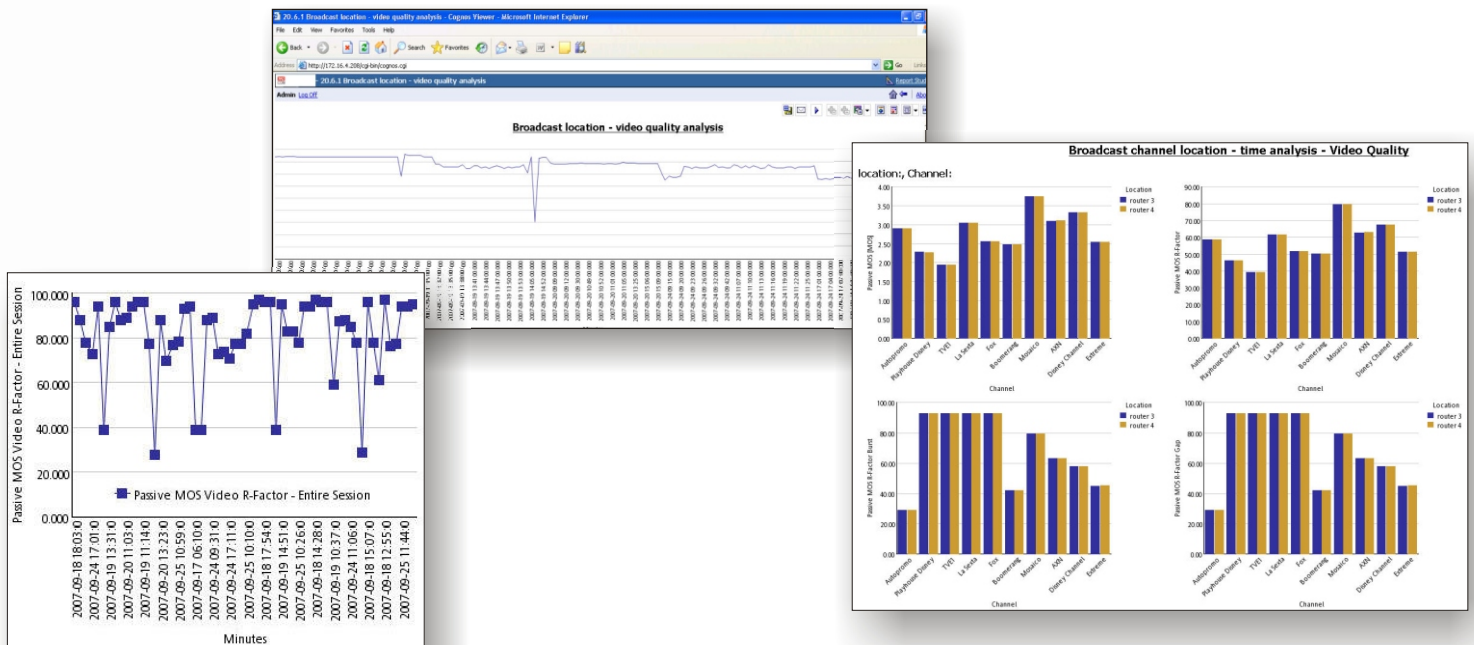
Rack-mount 2U  
 Number of LIMs: up to 3  
 Width: 430mm  
 Height: 89mm (2U)  
 Depth: 540mm  
 Weight: 9.5 Kg

### R1000

Rack-mount 2U  
 Number of LIMs: up to 2  
 Width: 440mm  
 Height: 89mm (2U)  
 Depth: 475mm  
 Weight: 9.0 Kg

## Performance

- ▶ Simultaneous streams: scalable 1000-2000
- ▶ Number of links: scalable 4-12
- ▶ Interface types: GbE optical; 10/100/100 electrical
- ▶ Codecs: MPEG2, MPEG4, VC1, H.264, H263, with or without transport stream, with or without RTP



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