

Realtime Protocol Monitoring

for high-quality IPTV in broadband networks



Looking to solve end-user complaints about IPTV disturbances or interruptions?



Want to quickly locate network problem areas?



The Realtime Protocol Monitoring (RPM) feature gives you these abilities

For many end users, broadband networks delivering multicast-based IPTV are quickly becoming the only source of TV content. But unfortunately this service is extremely sensitive to disturbances. Delay and freezing pictures may degrade the viewer's TV experience and necessitate restarting the Set Top Box. Naturally, when experiencing these problems, end users are quick to complain.

Such difficulties may be affected by packet drops within as well as outside the broadband network (e.g. in the satellite feed). Various approaches to solve this issue are available, but they are extremely costly. In addition, they are seldom built for the access segment of the network, and require significant amounts of time-consuming manual troubleshooting to locate and fix the problem.

Add to ASR 5000 and let BECS visualize

New features are easily added to PacketFront's Advanced Services Router, ASR 5000, and one such feature is RPM. And, thanks to its NPU design (Network Processing Unit), performance is not compromised during or after such a feature add-on.

RPM allows simultaneous monitoring of up to 50 multicast channels in each ASR 5000. You are immediately notified of any disturbances in the multicast delivery in realtime, perhaps even before the end user has noticed anything on the TV screen.

RPM provides an exact position of where in the network the faulty element is located as well as the information needed to take action and correct the problem. This eliminates the bringing of unnecessary tools and appliances to network locations where the fault is suspected to have originated. With RPM, the fault is identified immediately and TV service downtime is minimized.

Valuable in Service Level Agreements

The ability to monitor quality is important to fulfilling Service Level Agreements, (SLAs) between network owners and service providers. RPM is an ideal feature for the control and fulfillment of SLAs in networks delivering IPTV services, and offers the ultimate means of ensuring a satisfactory level of service quality for a defined period of time.

RPM:

- Tracks packet loss both inside and outside the network
- Tracks variation in delay (jitter) in the stream
- Tracks MPEG-2 over RTP and UDP

All this information is made visible in PacketFront's BECS network control and provisioning system, and can be provided via informative and user-friendly graphs.

The RPM feature is easily added to ASR 5000

RPM provides realtime information about disturbances in multicast delivery.

RPM eliminates time-consuming handling of costly troubleshooting appliances on site.

Traffic data information from RPM is viewable in BECS for further processing and analysis.

