

Software Defined Monitoring for IP Video

Now Supports Broadband Integration

A Global Leader in IP Video Service Monitoring and Troubleshooting

Customers want to watch video on any device, anywhere, anytime. Video and broadband networks are growing in size and shape with more content and many more devices. Mariner xVu™ turns endpoint devices into probes with Software Defined Monitoring arming your Network Ops team, your Help Desk and your Field Technicians with powerful tools to manage end-to-end IP video quality.

Mariner xVu is one of the world's most widely deployed IP Video monitoring solutions, with over 15 million devices under management. And now, the Mariner xVu Platform is expanding to monitor more devices with the ability to detect and monitor the broadband connection. Mariner xVu will provide a deeper understanding of service issues by monitoring the performance on any managed device.



Topology Aware



Intelligent Triangulation



Virtualization and Flexibility



Price Performance



#1 in IP Video Deployments



Big Data & Visualization

Bottom Line Impact on your IP Video Service

- Get advanced insight into the customer's video experience
- Visibility into your network health lets you see what the customer sees and more importantly, what they don't see
- Understand the real impact of an outage for your customer base
- Get customized views into service performance by neighborhood, region, and more
- Combines endpoint monitoring, topology awareness and advanced correlation techniques to deliver cost-effective service assurance
- Improved first call resolution and Mean Time to Repair (MTTR)
- Get a "customer-centric" view of the service to quickly isolate the issue and initiate corrective action
- Certify the install or repair for improved installation quality
- Reduce repeat calls, field repair visits, STB replacements and truck rolls

New to Mariner xVu™

Broadband monitoring capabilities now include non-STB devices, such as DSLAM, RGs, Bonded Modems and Wireless Access Points. Mariner xVu provides enhanced network troubleshooting with:

- WAN/LAN visibility so you only dispatch when the trouble is known to be in the home
- KPI Analysis, providing a quick, automated network-level summary of key process indicators that triggered an error
- Network health status indicators for channels and nodes
- The ability to put customers on a Hot List to flag specific subscribers, for increased Quality of Experience (QoE) scrutiny and more focused diagnostic reporting and tracking
- Expanded platform capability to integrate with more data sources
- Screen text configurability to your language of choice



Mariner NetworkVu™

for your Network Operations and Operations Support staff

Mariner SupportVu™

for your Customer Care and Help Desk team

Mariner ReportVu™

for your Management

Mariner FieldVu™

for your Field Installation and Repair forces

SOFTWARE DEFINED MONITORING. See the problem. Solve the problem.



Software Defined Monitoring provides:

- End-point monitoring for services with visibility into network, content, or service delivery problems.
- A solution that decouples monitoring from hardware to scale operations virtually and maintain service control.
- More data sources to help you pinpoint the root cause of the service degradation.

Operators will be able to manage the growing complexities of multiscreen, offnet and OTT services by using our newest product offering, Mariner xVu for Multiscreen.



 @MarinerxVu

Better monitoring gives you bottom line results

Topology Aware

- Patented technology to accurately map the topology of the whole network
- Endpoints are mapped to a topology to provide triangulation of issues

Intelligent Triangulation

- Triangulate co-dependent problem points using topology aware software
- Get proactive diagnostics with Mariner Intelligent Adaptive Sampling™ (IAS)
- Best accuracy with superior time alignment
- Single screen visibility for both physical issues and channel/content issues

Virtualization and Flexibility

- Virtual blade server solution for best in class economics
- Extend the visibility into the home and mobile users

Price Performance

- Pure software-only solution supports the economics of endpoint monitoring for lower cost of ownership with millions of soft probes
- Consolidate QoE monitoring and cap physical probe costs

#1 in IP Video Deployments

- Low risk deployment
- Continuous improvement through customer best practices and feedback
- Economies of scale for functionality, scalability (remove comma) and reliability

Big Data Visualization

- Hundreds of KPIs monitored per STB
- Real time synthesis of events
- Optimized collection and storage of huge quantities of monitoring data
- Flexible analytics, quickly identifying relevant and meaningful (but often non-intuitive) patterns

About Mariner

Mariner is a leading provider of Software Defined Monitoring for IP Video. Mariner's innovative, award-winning flagship solution suite **Mariner xVu™** allows service providers to offer a reliable, high-quality viewing experience; rapidly isolate IP Video network issues; and cost-effectively reduce truck rolls to ensure a superior broadband and IP Video service.

For more information about Mariner, visit www.marinerpartners.com