

# PathTrak™ Video Monitoring V2.0 Release

The increasing complexity of newer video delivery networks combined with the growing expectations for high quality from subscribers compel operators to identify service issues and isolate them quickly. Service quality is no longer a differentiator as much as it is a ticket to play. The video streams are dependent on a core Internet Protocol (IP) net delivering to a remote, converged cable edge that is an increasingly dynamic and often a complex multi-vendor environment. Delivering video is a one-shot process with the potential for errors that can degrade video quality beyond what subscribers will tolerate, especially for premium high definition and 3D services, wherever content is modified.

Providers who monitor only IP or only RF parameters can miss problems at the MPEG transport stream layer and potentially misdiagnose problems at the RF cable edge. Multimedia research groups conducted studies that assessed the telecommunications service provider requirements for digital video test, measurement, and monitoring solutions that showed these key results:

Finding	Percentage
Video quality monitoring reported as critical or a very important part of their video initiative	84
Notified about service quality problems from subscriber calls	90+
Video quality reported as a main reason for customer churn	77

## Key Features

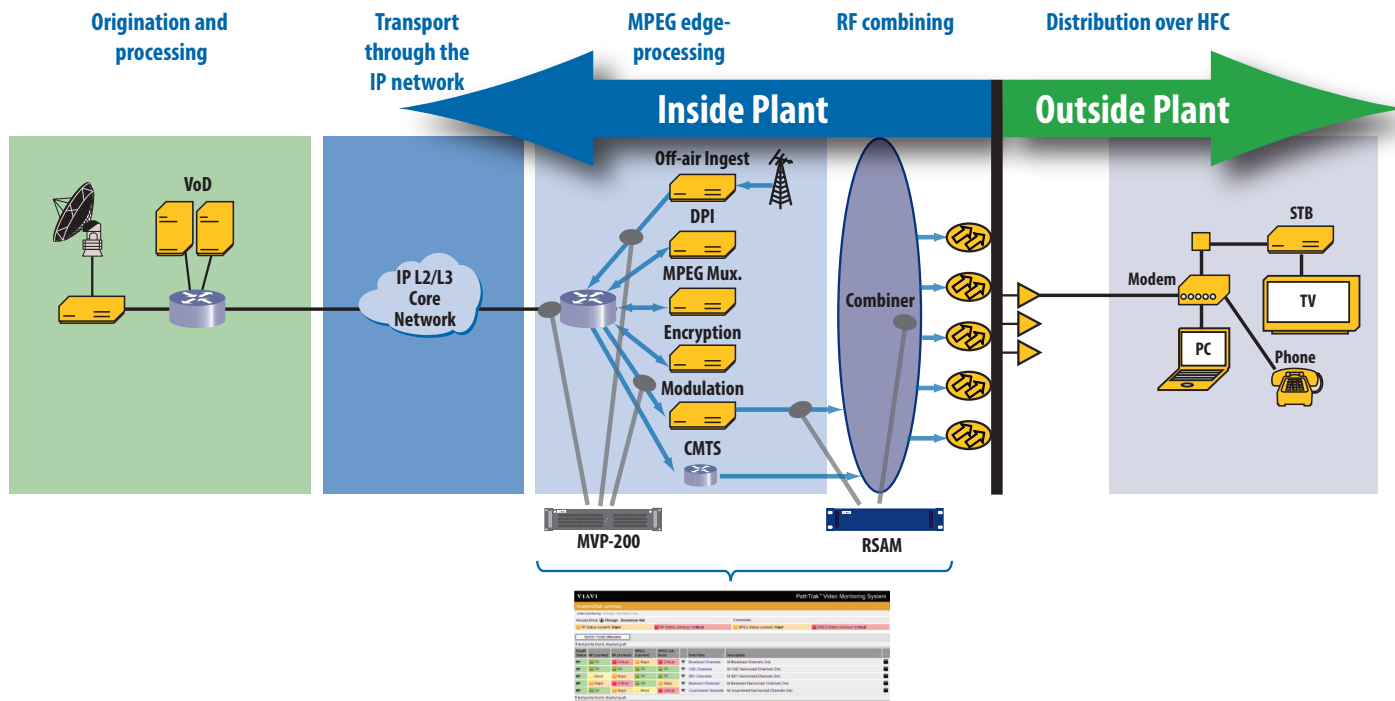
- Removes blind spots at the cable edge revealing the true video issues
- Reduces OpEx—monitor and troubleshoot using the same platform
  - Seamless trouble ticket transition greatly reduces the mean time to repair (MTTR)
  - Remote diagnosis enables efficiently targeting engineer dispatch to ensure only necessary truck rolls
- Addresses the RF cable edge to complement existing IP transport monitoring solutions based in/on the IP core
- Reduces CapEx—provides consistent information to NOC and field technicians from the same sources
- Outperforms solutions that look at only digital video versus including analog and DOCSIS®, making them too limiting

## Applications

- Ensure quality of content after modification at the cable edge (handoff to the HFC network)
- Verify network availability and service up time
- Monitor and troubleshoot analog RF, QAM, and DOCSIS services
- Reduce customer churn by proactively monitoring all services

The PathTrak Video Monitoring System (PVM) gives providers unprecedented visibility at the cable edge to verify service quality and aid rapid fault identification. Combining the extensive RF and MPEG expertise of Viavi Solutions in monitoring and analysis, PVM allows quick identification of real customer-affecting issues. Overall allowing the fulfillment of business objectives to ensure cost-effective delivery of top-quality video services to maintain and grow your revenue base.

Take control of your video services with the award-winning Viavi PathTrak Video Monitoring System.



PVM 2.0 allows unprecedented visibility at the cable edge



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