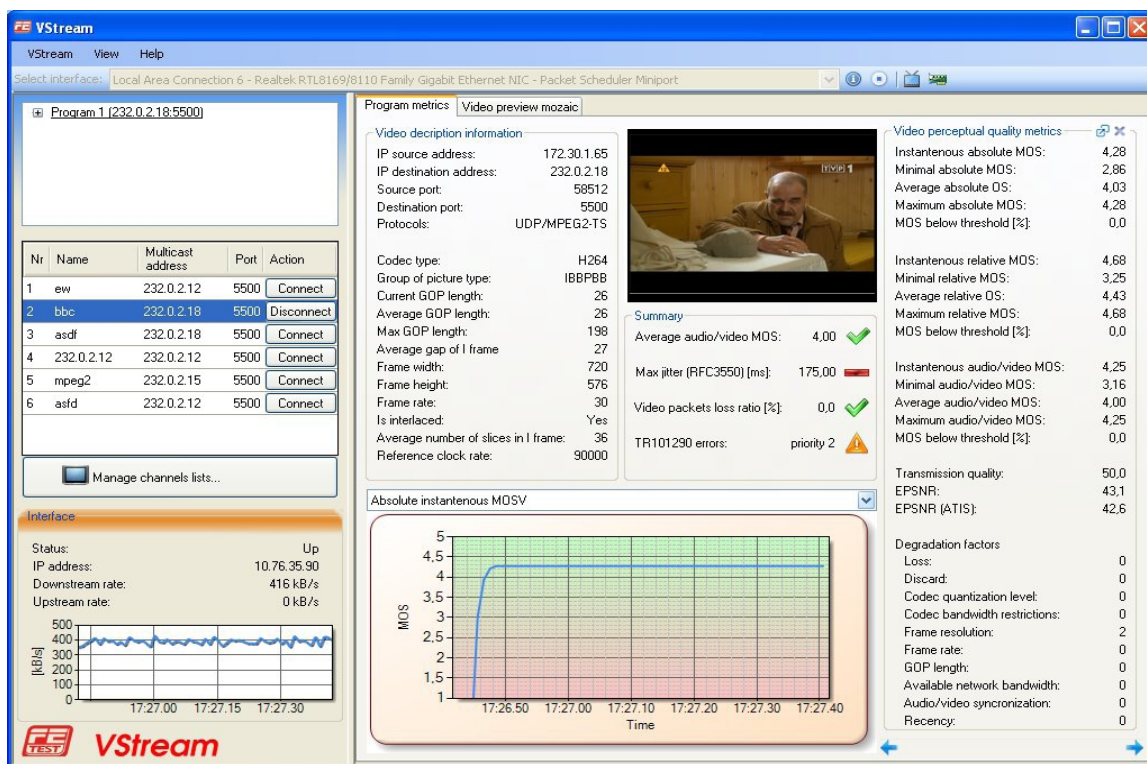


## Application Note: Simplifying IPTV Installations with VStream Analyzer

Broadband internet service providers have identified IPTV services as a great way to generate revenue. Many of these providers also see it as a means to acquire new customers and increase the sale of broadband connections. But, these providers also realize that to achieve these goals, they absolutely have to minimize service calls. This sounds like a tough task. IPTV Service Providers are well aware that the traditional television market has come to expect perfect video and audio quality as well as the ability to change channels without a noticeable delay. VStream Analyzer offers these providers a powerful yet affordable tool that allows them to quickly deploy dependable IPTV services.

VStream Analyzer, from Frederick Engineering Inc., is a PC-based software application that can fully emulate a TV Set Top Box (STB). Once a channel is selected for testing, a video preview of that channel begins to run, providing quick assurance that IPTV services are available. However, just watching the video is not sufficient to qualify IPTV services. The IPTV signal could be degrading due to a number of reasons and the user won't see the effect on their television until the service technician is long gone. The service technician needs to know that the IPTV signal is not being impaired by hidden effects from the IP network, modem, router, STB, CO and more. This is why VStream provides a summary display with several key QoS measurements with pass/fail indicators, revealing the true quality of the video stream under test. Two graphs offer a set of comprehensive user-defined statistics, which guarantee a service technician has all of the necessary IPTV vital signs at their disposal. Additional QoS diagnostics are organized in three categories: Perceptive Quality Metrics, Video Stream Metrics and Transport Stream Metrics. VStream also includes a zap time (channel change duration) measurement function. This comprehensive analysis insures that a technician can quickly verify IPTV service quality and easily resolve issues such as pixilation, frozen screens, slow channel changes, service disruption and more.



VStream can generate test reports for either individual video streams tested, or for all of the video streams tested. All results can be saved to disk as a PDF file so that the service technician can leave with a complete report of all results. The graphical user interface is neatly laid out and allows the operator to select to display only the key parameters they are interested in seeing.

Many service technicians already have the tools for testing copper, Fiber, xDSL, Ethernet and more. As they start to support IPTV services, Vstream Analyzer allows these technicians to verify and troubleshoot IPTV applications using only a notebook computer. VStream is priced attractively for IPTV operators while offering a full set of test diagnostics normally found in substantially more expensive products. **VStream Analyzer** – Turn any PC into a powerful IPTV Analyzer that provides a real-time video preview, QoS metrics, STB emulation and ZAP time measurement. **\*Free 30-day evaluation/demo version is available now at [www.fetest.com](http://www.fetest.com).**