



Press Release

AnaCise Announces Its Upgraded WT-600^{Plus} with Excellent Performance in Monitoring IPTV Network

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The growth of IPTV market brings the requirement of high throughput and high availability network. The way to increase the bandwidth and distribute multiple links becomes more and more popular in IPTV core network, which allows service providers to meet the SLA commitment to end users. Besides, sometimes IPTV operators also need to verify the new installed or essential equipment if it will become bottleneck or failure point.

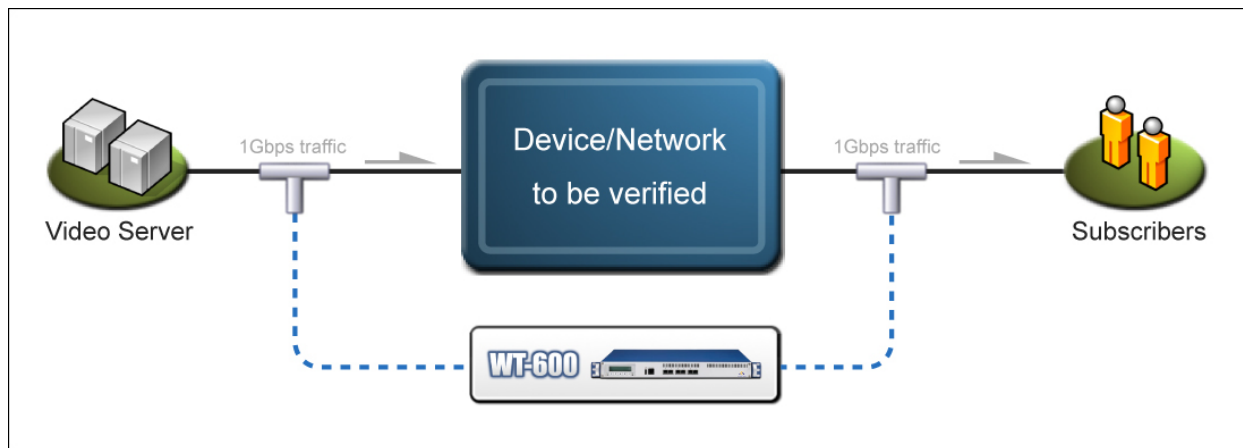
On the other hand, more and more Cable and MSO operators utilize IP and Ethernet as the next-generation transport for their services including video service. They also need a monitoring tool to provide them necessary information about performance and TV programs.

All these new challenges need to be answered promptly, a cost effective and intelligent tool to help Telecom and Cable MSO companies to manage, monitor, analyze, and troubleshoot IPTV network is essentially required. AnaCise new WT-600^{Plus} is going to answer these through its ability of 2Gbps traffic analysis and two physical ports connectivity, as well as the capacity of 1024 video stream analysis.

■ Reduce the OPEX of IPTV Service

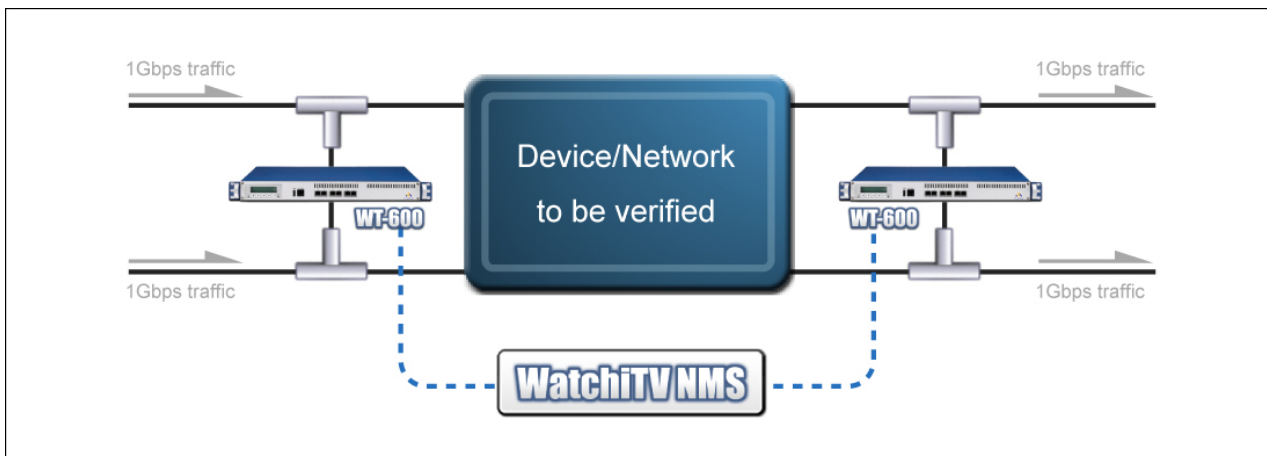
The network diagram below shows that WT-600^{Plus} is connected to a device or network which operators want to verify, the probe receives traffic from network tap or mirror port on switch. IPTV operators only need one WT-600^{Plus} because two gigabit Ethernet ports are supported, and IPTV streams are monitored by one probe ahead/behind the device or network. From the consolidated analysis result in WT-600^{Plus}, the QoS is going to be remained while traffic is carried through a device or network.

Two ports capacity on WT-600^{Plus} lighten the burden on IPTV operating expense, and help field engineers to pinpoint the failure quickly.



■ The practice of performance management on High Availability IPTV network

The new WT-600^{Plus} shows excellent performance which is not only capable of monitoring up to 1024 streams simultaneously, but also analyzing 2Gbps traffic. The diagram below shows a high availability IPTV network and how the operator utilize two WT-600^{Plus} probes to monitor the traffic ahead and behind a device or network and ensure the SLA to IPTV subscribers.



See above diagram, even such complex HA (High Availability) network requires only two WT-600^{Plus} probes to analyze the 2Gbps traffic transported in two links.

Up to 2Gbps IPTV traffic is analyzed and the entire performance is consolidated by centralized NMS which allows operators to make sure the SLA won't be broken by the device or network.

The enhancement of WT-600^{Plus} greatly help operators to deploy the HA architecture on IPTV network, without the regard to the cost of monitoring system for a consistence of QoS throughout the network.

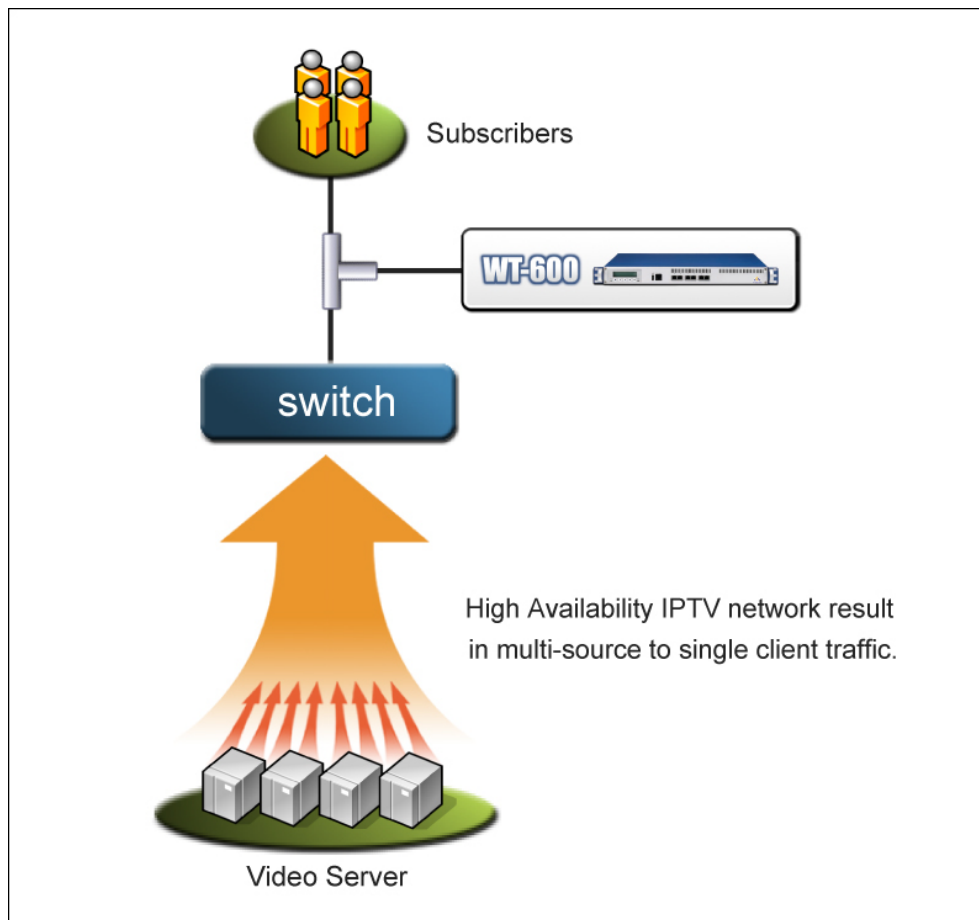
■ Multi-source to single-destination MPEG streams analysis

To provide subscribers a stable video quality and optimized user experience, some service providers implement a technology to serve single user with multiple video sources.

The technology may be called as “Rolling Stream” or “Gatling Resilient Streaming” by different vendors, This new technology requires a more intelligent monitoring system to help operators to realize the performance of their network. However, most conventional monitoring systems will not support such kind of traffic flows with multiple source IP addresses to single destination.

See diagram below, multiple video servers serve same IPTV subscriber simultaneously to prevent the loss of VoD session in case of any failure on specific video server. The content is streamed from multiple servers (multi-source packets from different IP addresses) to the subscriber according to the distribution policy, it delivers a high availability of streaming service. However, it becomes difficult for operators to monitor, analyze and troubleshoot when the network problem occurs.

Now, the state-of-the-art feature on WT-600^{Plus} supports the identification, consolidation and analysis for



■ SI (Service Information) Table re-Construction and Analysis

Cable and MSO operators today are facing increasing competition from telecom operators offering video services. Even they have built a high reputation among their subscribers by offering a highly reliable service, but they are still gearing up to the challenge by upgrading their networks to be capable of offering higher-value bundled services and more HDTV channels to subscribers.

The reliable service needs to be maintained because the transition to an IP-based delivery system occurs, and those desires lead to a manifold increase in the bandwidth carried by the network.

The high capacity of 2Gbps traffic analysis and plentiful SI (Service Information) tables decoding in WT-600^{Plus} responses to their demand of maintaining customer loyalty and enhance Customer Satisfaction precisely.

SI (Service Information) tables were defined by DVB (Digital Video Broadcasting) standard which extends the MPEG2 PSI tables to provide more information about numerous programs and services on an entire network of transport streams. WT-600^{Plus} provides in-depth SI Table analysis and reconstructs these tables to provide the information such as NIT (Network Information Table) and SDT (Service Description Table).

The NIT (Network Information Table) shows information about physical parameters of the network, and SDT (Service Description Table) gives more user-oriented information about services in a transport stream. The SDT typically contains information such as the name of the service, and Transport ID. This feature lets user need not to establish channel name list manually.

■ About AnaCise

ANACISE TESTNOLOGY is a Taiwan-based company with HQ office in Taipei. We are at the forefront of helping our customers shape the changing broadband convergent technology landscape.

AnaCise's solutions enable network operators and service providers to better meet increasing demands for network availability and services. We accomplish this by providing market-driven test, measurement and monitoring solutions that accurately verify network performance, thus ensuring perfect telecommunications network planning and service continuity.



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