NTTIT

News Release

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NTT IT Corporation

NTT IT to Begin Selling the "IP Video Studio System" to Transmit, Deliver, and Store High-Definition Video Content for Broadcasting over IP Networks

- Build a new IP video content distribution infrastructure to shorten the video production process, and create a more eco-friendly industry by reducing CO_2 -

NTT IT Corporation (headquartered in Naka-ku, Yokohama; Kazuhiko Okada, President) announced today that it will begin selling the IP Video Studio System on April 8, 2011. The IP Video Studio System makes it possible to transmit, deliver, and store HDTV and other high-definition video content for broadcasting over IP networks.

The IP Video Studio System includes the "Media Server", which delivers and stores video data, and the "Media Gateway", which connects multiple points via high-speed communication. The system leverages optical fiber networks to build a video content distribution infrastructure over IP networks, connecting broadcast stations, live event sites, and video production companies. The system also includes the "Network Analyzer", which provides high-precision monitoring of network traffic.

The IP Video Studio System not only reduces the time and cost of video production but also eliminates the need for courier and messenger services to physically transport video media, thereby creating a more eco-friendly industry by reducing CO_2 production.

***The IP Video Studio System will be exhibited at the 2011 NAB Show in Las Vegas from April 11 to 14, 2011.**

■ Building an Infrastructure for Video Content Distribution over IP Networks

Today broadcast stations and other video production front lines largely depend on courier and messenger services to physically transport video media.

NTT IT has developed the IP Video Studio System to provide high-speed transmission, delivery, and storage of high-definition video content over IP networks. This system is based on advanced technologies developed by the NTT Laboratories, such as high-speed reading, writing, and transmission of video data via a general-purpose system. Non-compressed HDTV signals (approximately 1.5 Gbps) can be transmitted over long distances in real time with a latency of less than one frame.

The system leverages optical fiber networks to build a video content distribution infrastructure over IP networks, connecting broadcast stations, live event sites, and video production companies. This not only reduces the time and cost of video production, but also eliminates the need for courier and messenger services, thereby creating a more eco-friendly industry by reducing CO_2 production.

■ Outline of the IP Video Studio System

The IP Video Studio System consists of the "Media Server", which delivers and stores video data; the "Media Gateway", which connects broadcast stations, live event sites, and video production companies via high-speed communication; and the "Network Analyzer", which provides high-precision monitoring of network traffic.

(1) Media server: MediaOrchestra/XMS

Transmits, delivers, and stores non-compressed HDTV and other high-definition video content for broadcasting over IP networks

Features:

- Stores and delivers various types of high-definition video content, including 1.5-Gbps non-compressed HDTV
- Throughput of up to 25 Gbps
- Multiple accesses to the same video materials
- Capability to share video data between remote broadcast studios, and to transmit video data from live event sites to video production companies

(2) Media gateway: MediaOrchestra/MGW

Supports high-speed video transmission between multiple points such as broadcast stations, live event sites, and video production companies

Features:

- Transmits non-compressed HDTV and SDTV video data over high-speed IP network environments (10 Gbps)
- Transmits multiple video streams simultaneously
- Transmits non-compressed video data with very low latency (0.5 frame/minute)
- Transmits all HD/SD-SDI signals with ancillary (ANC) data
- Input/output frame clock synchronization
- Flexible traffic shaping function
- Expandable to 4K non-compressed video transmission via tandem operation

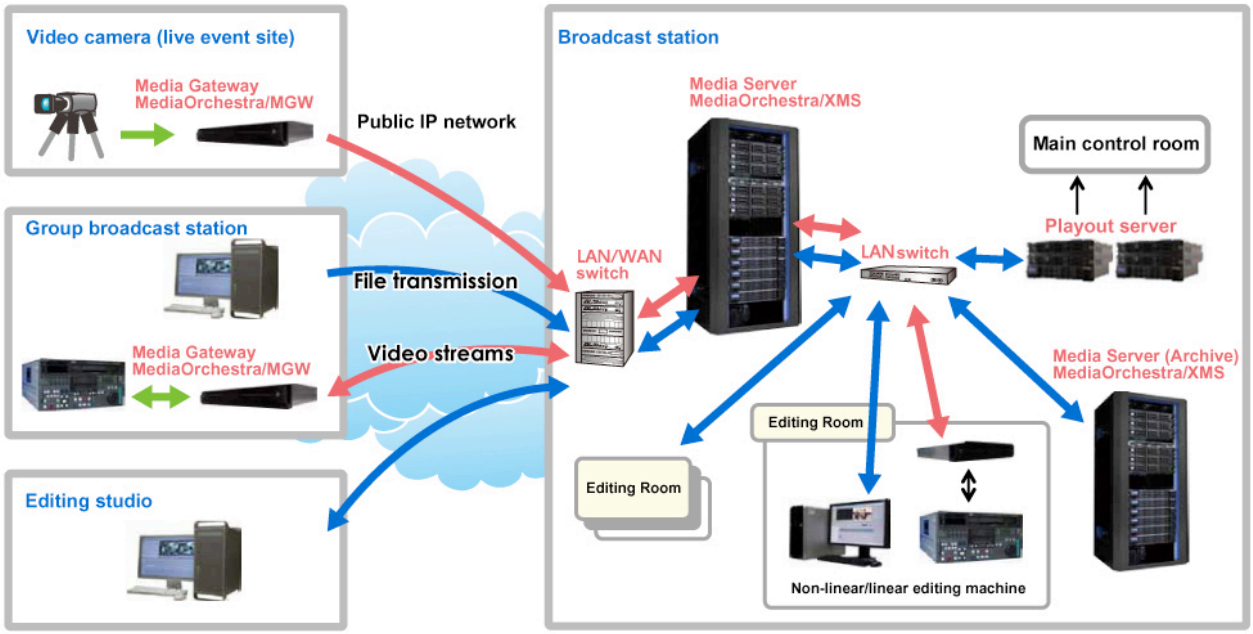
(3) Network analyzer: NM10G

Provides high-precision monitoring of network traffic

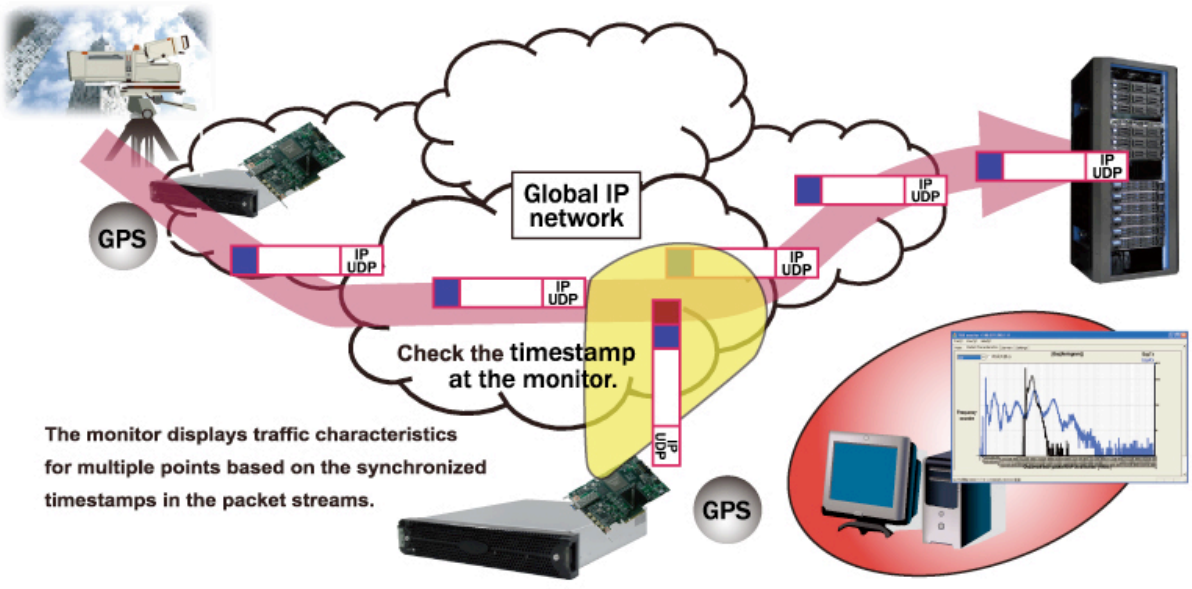
Features:

- Consists of a general-purpose PC and a network interface card with high-precision traffic measurement capabilities
- Supports 10-Gbps Ethernet LAN-PHY/WAN-PHY, OC-192c POS (optional)
- 10-Gbps wire-rate packet capturing and generating functions
- 10-ns time-stamping for sending and receiving packets using external timing sources
- Accurate traffic playback function using hardware-assisted inter-packet gap control
- Easy development of 10-Gbps network monitoring software

■ System Configuration



System Configuration for a broadcast station



Network monitoring with the NM10G Network Analyzer

■ Price (tax not included)

System	Price
Media server MediaOrchestra/XMS	Open
Media gateway MediaOrchestra/MGW	Open
Network analyzer NM10G	Open

*These prices do not include system construction costs, network costs, etc.

■ Sales launch and target

Sales start: April 8 (Friday), 2011

Sales target: 50 systems/year

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