MediaOrchestra/XMS media server

- Provides high-quality-video-sharing environment over IP networks -

powered by i-Visto technology

MediaOrchestra/XMS (MO/XMS) media server provides functions to store and deliver various types of high-quality video including 1.5-Gbps uncompressed HDTV over IP networks.

MO/XMS media server has a maximum throughput of 25 Gbps, which corresponds to the combined throughput of 16 uncompressed HDTV streams, or 200 high-definition digital VTR-quality materials. The processing capacity does not degrade even when multiple users access the same video material.

Using this server, broadcast professionals can share video material among remote studios or transmit video material from the field to an editing studio via IP networks.

MO/XMS media server provides the best solution for next-generation high-quality video networking over IP.

Features

High performance

- Provides 25-Gbps maximum throughput, which corresponds to the combined throughput of 16 uncompressed HDTV streams
- Supports multiple access to the same video material
- Supports a "chasing playback" function that enables users to retrieve content being recorded

Cost performance

- Superior in cost-performance ratio because of its general-PC-based clustering architecture
- The cluster size can be changed according to individual requirements for system performance For example, users can minimize their installation cost
- The storage capacity can be enlarged by installing additional RAID systems using a storage area network (SAN).

Connectivity

- Can be accessed from anywhere in the world through IP networks
- The video transmission rate can be adjusted according to user's network environment Users can deliver high-quality video streams via narrow-band networks

Easy integration

- Can be integrated with common HD-SDI-based video-editing devices and cameras using MO/MGW media gateway
- An EDL(edit decision list)-based video-clipping function enables users to retrieve selected scenes
- Easy to integrate with existing DBMS, authentication systems, and WWW systems

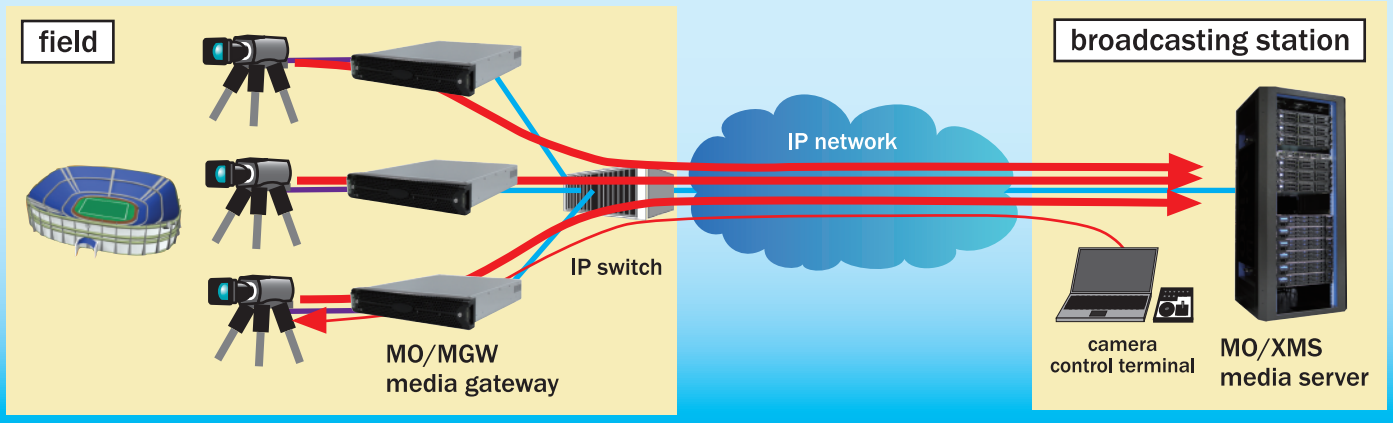
Specifications

Minimum configuration	Two PCs, an InfiniBand switch and RAID
Network I/F	10 Gigabit Ethernet
Supported protocols	Data: UDP/IP, TCP/IP Control: RTSP (RFC2326)
Supported video formats	Uncompressed HD/SD Compressed HD, Uncompressed 4K

Application examples

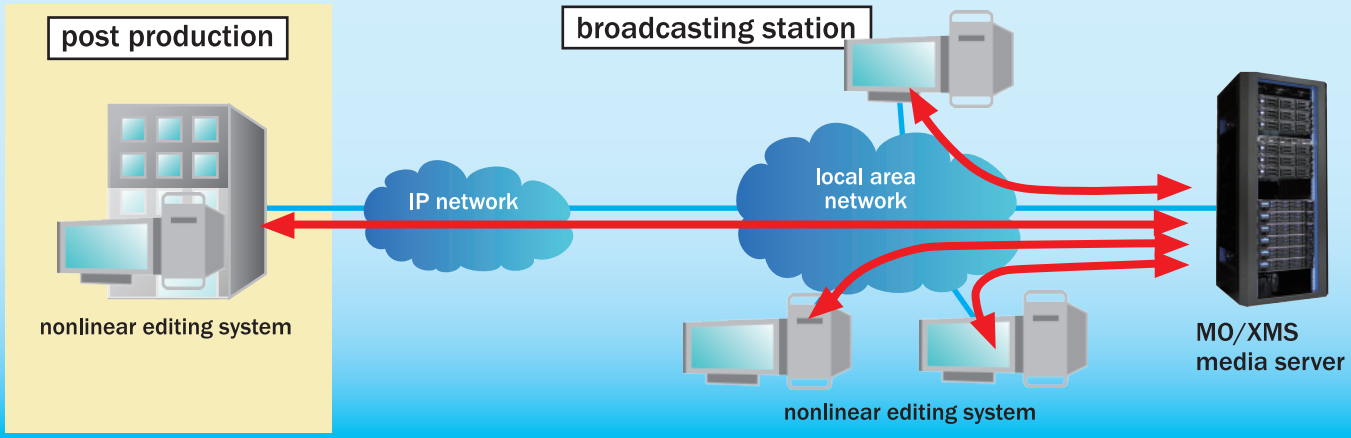
1: Multiple remote-camera recording

Store uncompressed HDTV video streams taken by multiple remote cameras and sent to the server. Remote camera control is also possible.



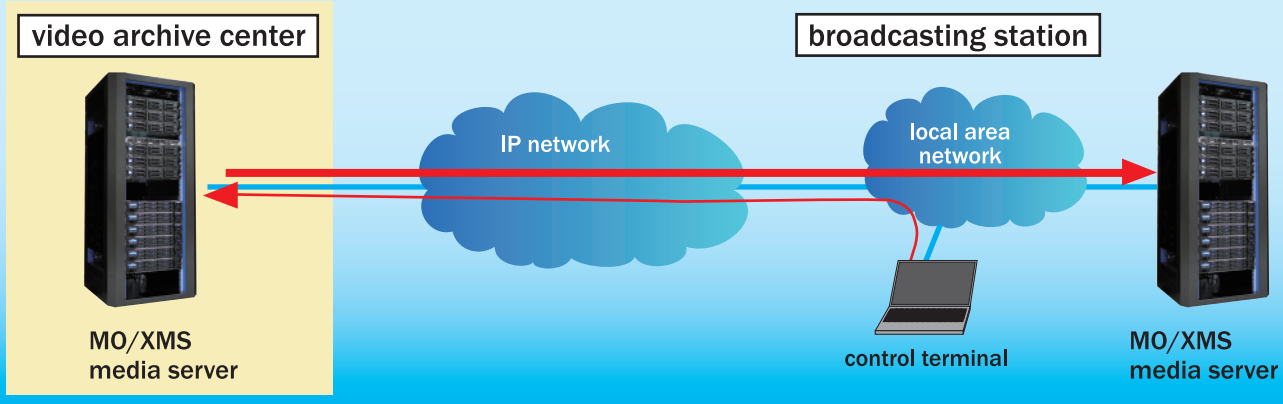
2: Remote video sharing

Several video editors share and edit the same video content on the server via IP networks.



3: Deliver content from video archives

Using the EDL-based video-clipping function, broadcast professionals retrieve selected video scenes from huge image archives and edit them for their TV programs.



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