

Libra Multimedia Video Servers

The only reliable, truly scalable and cost-effective video servers

- **Video Files and Unicast/Multicast/Broadcast Streams**
- **Comprehensive Range, Fully Scalable**
- **Controlled Bandwidth, Fault Tolerant, Fully Interactive**

The Libra Range from **Alex Multimedia** offers unique features that can be used either in a file server or in stream server applications. It covers a very broad range of potential applications from education, multimedia libraries, video storage, entertainment, public display, distance learning, etc.

Set Top Box
EDUCATION HOSPITALITY TV TELCO
Hospitality Corporate Streaming Servers
HIGH BANDWIDTH SOLUTIONS
STREAMING SERVERS CORPORATE
High Bandwidth Solutions TV

A wide Range of Scalable Servers

The Libra Range Video Servers make an ideal platform for high bandwidth, high speed networks with high number of video and multimedia users. These very same servers can also be used to deliver controlled bandwidth, unidirectional, video streams, particularly well suited to telecom, cable and IP operators requiring multicast or point-to-point interactive multimedia services over long distances & high throughput environments.

The Libra Servers excel in the following applications:

- Interactive Distance Learning
- Media Archiving
- Interactive Video-On-Demand
- Corporate Multimedia Services
- Language Laboratory
- Video Storage
- Any high throughput, large storage application



Libra Multimedia Video Servers



Controlled Bandwidth Video Streams

Delivering video streams at a constant, predictable bit rate bandwidth through a single request is one of the major benefits of the Libra Video Streams Servers. These servers manage the allocated bandwidth and guarantee the corresponding video quality, irrespective of new users requests or streams manipulations. Multicast streams can also be transmitted concurrently with other VOD request enabling bandwidth optimization for scheduled or shared viewing.

Full Interactive Control

Video on Demand contents are controlled by the user with Traditional VCR functions, such as Play, Pause, Fast Forward & Rewind and Slow Motion, all at the constant and predictable bandwidth characteristic of our controlled bandwidth video streams pump.

No Video Contents Duplication

Whenever, and wherever they want, users can access, instantaneously and simultaneously, any of the contents stored in digital format on an Alex video server. **No** costly contents duplication is required to guarantee the bandwidth.

Load Balancing

The CBSP (Constant Bandwidth Streaming Pump) Software has been specially designed by Alex Multimedia. It implements parallel architecture processing techniques making available load balancing over all the streaming modules in the machine, avoiding any hot spot, congestion or bottleneck.

Fault Tolerance

Each streaming module of the Libra Servers operates independently of the others. The Libra Software provides redundancy and N+1 fault tolerance, where a single streaming module acts as a hot spare for the others. At the storage level, disks can be configured in RAID arrays, with the level of redundancy best adapted to the requirements.

Scalability

The Libra Servers offer exceptional scalability in either storage or number of concurrent users independently of each other; expansions can be performed incrementally and on site, removing the costly need for equipment change.

Unlimited Bandwidth

One of the major benefits of the Libra servers scalability is their ability to afford a very large bandwidth and a very high throughput. In other words, their capability to increase the number of concurrent users willing to access a video content is unlimited, as well as the total outgoing or incoming bandwidth.

MediAlex Software

The MediAlex Software, provided with all sizes of the Libra Range Video Servers, offers natural and user-friendly content management. Through the well-known interface of a web browser, this software allows user identification, contents organization, access and search, per-user or per-contents usage statistics, and, on the administrator side, multimedia content management, easy users follow-up and licenses control.

The new Alex Libra Range covers three classes of products:

Libra Picco

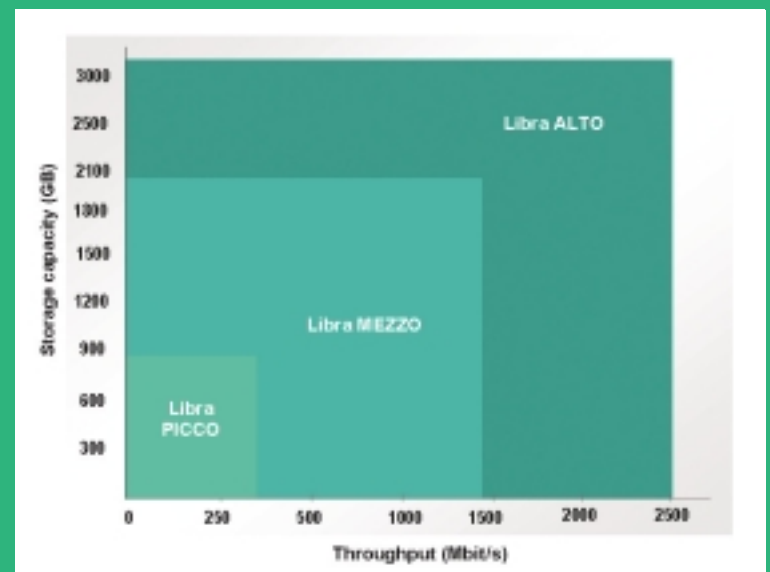
The most cost effective server. This class of servers addresses low-to medium- end multimedia applications where it offers the best possible price/performance ratio. This class of servers delivers high bandwidth with storage upgrade capability. User/bandwidth upgrades are strictly limited.

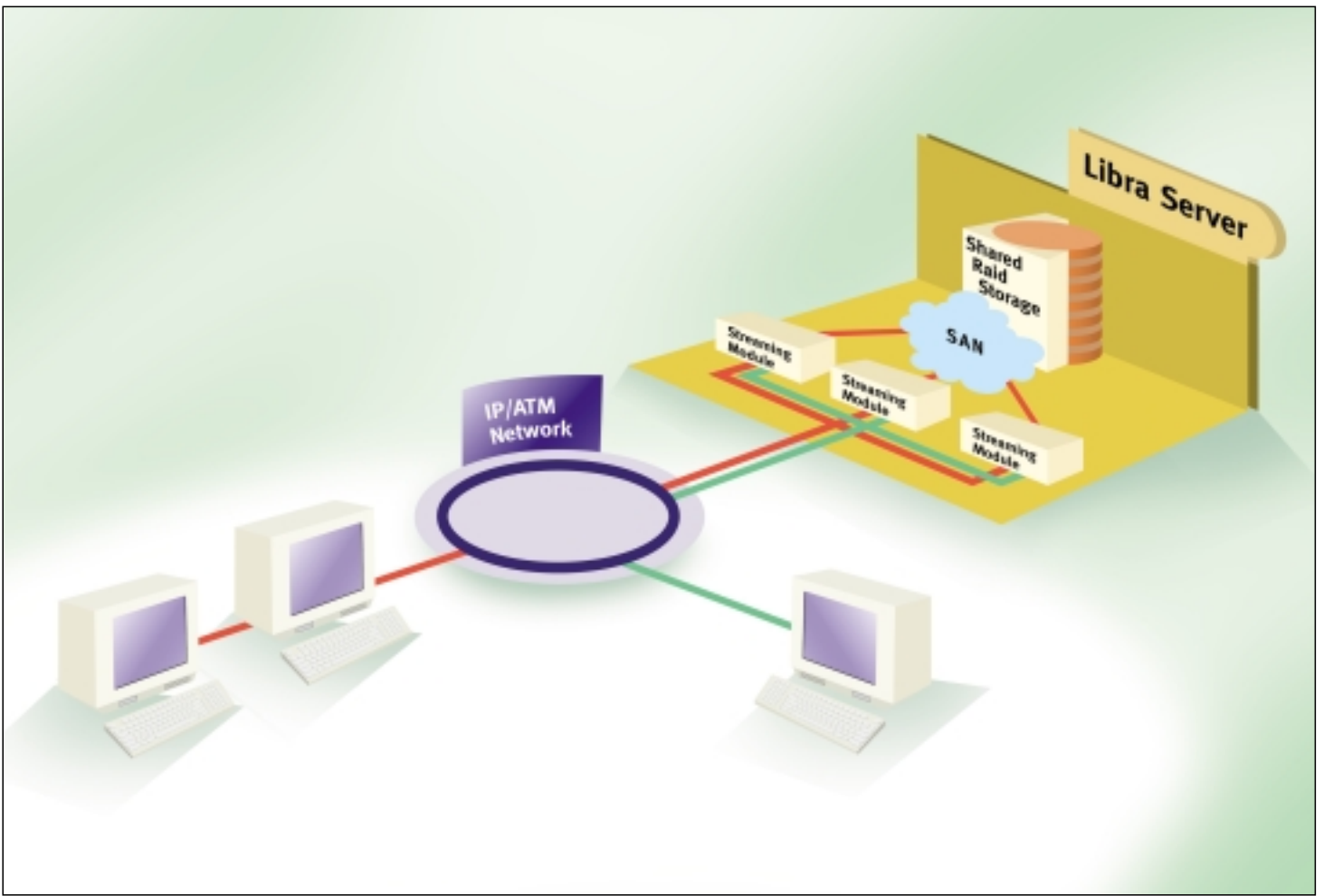
Libra Mezzo

Middle end of the range offering expansion capability. This class of servers addresses medium size multimedia applications where it offers high bandwidth, scalable performance and storage capability. Upgrades can cover most standard applications.

Libra Alto

High end server offering full scalability. This class of servers addresses the high-end of multimedia applications with a fully scalable multi-streaming modules architecture. Upgrades can cover any applications without any limitation.

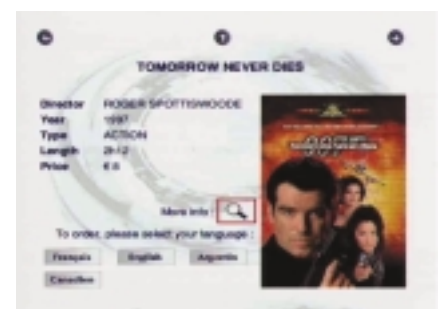
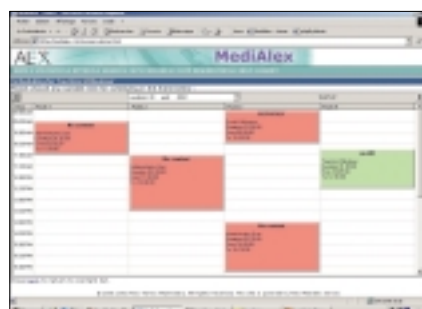




This comprehensive and powerful range of servers is suitable for applications such as interactive distance learning, media archiving, interactive Video On Demand, multimedia libraries, corporate multimedia services, language laboratories and more generally education, entertainment, video storage, public display, and any high throughput, large storage application.

Based on our **Libra Range of Video Servers**, we offer ready-made complete turnkey solutions in numerous fields:

- The Digital Entertainment Solution, targeted at the Hospitality Market offers interactive services in every guestrooms such as Video On Demand, Games, Internet Access, Fax and E-mails, View Bill, etc.
- The Media Retrieval Solution, targeted at the Education market offers a complete Video On Demand solution encompassing a large range of media delivery, multimedia materials organization, access and search, usage statistics, and contents mutual sharing between multiple institutions.
- The Multimedia Library Solution targeted at the Library with multimedia contents market offers video multimedia delivery to the visitors. Contents are organized by themes. A search engine helps to find the requested item.
- The Streaming Solution for Branches targeted at the Corporate market offers video multimedia delivery, caching and consistency in the head-office/branch-office architecture of a large company.



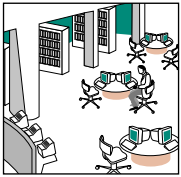
Alex Multimedia offers complete solutions based on digital video for numerous applications:

• **Hospitality Market**



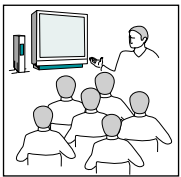
Digital Entertainment Solution is a complete turn key solution offering interactive services in every guestrooms, such as Video On Demand (VOD), Games On Demand, Internet Access, Fax and E-mails, View Bill, etc.

• **Education Market**



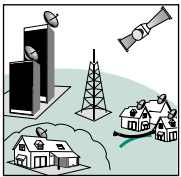
Media Retrieval Solution is a complete Video On Demand solution for Education. Covering varied delivery media (computers, TV, analog coax...) in a coordinated multi-site (schools, buildings...) environment, with full content management services.

• **Corporate Market**

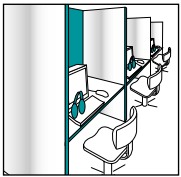


Offered solutions allow video content traffic between premises located in the same country or between premises located in different countries. Full content management included as per standard offering.

• **Telco Market**



Offered solutions allow delivery of high bandwidth services including video and multimedia charged to the consumer on operators digital networks (ADSL, cable challenger operators).



The new Alex Multimedia Libra Video Servers are scalable, covering users needs, Industry proven and cost effective from the largest to the smallest.



Alex, 1 word, 1 000 pictures

Alex Multimedia is a Tekelec Airtronic Company

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