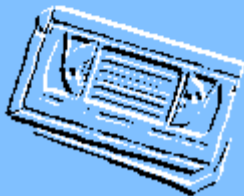


# CINE MAGE

## INTERNET MULTIMEDIA e-COMMERCE SYSTEM



### Product Overview

Cinimage® is a 100% solution for searching, retrieving and presenting images, audio, video, and other content-rich information over the Internet. A client/server system, Cinimage® is comprised of a number of modules for information retrieval, authentication and billing, and display of information. Cinimage® can be customized for applications in education, digital merchandising, health, or edutainment.

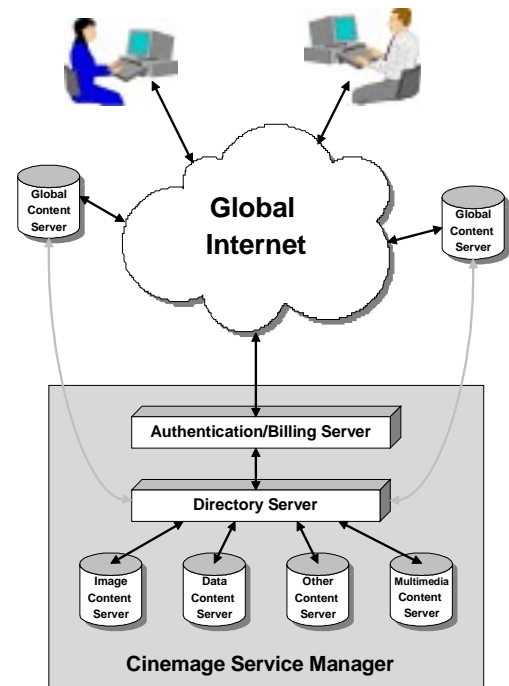
### Highlights

- Ability to display images in different levels of detail
- Powerful search capabilities
- Access to a rich collection of content
- Provision of multiple levels of access and authentication
- Sophisticated billing and usage monitoring
- Ability to access distributed remote content servers
- Ability to handle multiple media & data formats

### System Description

The Cinimage® system is designed to be modular.

The heart of the system is the Cinimage Service Manager, which is made up of the Central Directory Server and the NetXchequer™ Authentication and Billing Server. The Service Manager can also contain one or more Content Servers. Other Content Servers may be located



anywhere in the world, connected to the site over the Internet.

In the current system Content Servers are comprised of a workstation and optionally one or more attached CDrom Jukeboxes. The Jukeboxes are capable of storing content in a variety of formats including images in a variety of resolutions, audio, and video. DVD capabilities will be added soon.

The Client Module is a world wide web-based program that can be run on any Personal Computer connected to the Internet. Once registered through the NetXchequer™ Server, the user can log on to the Cinimage Service Site and through the Central Directory Server access Content Servers, both local to the Service Site as well as remote Content Servers. The Central Directory Server determines what Content Servers are accessible and available to the Client Module.

## System Components

### Client Module

The client module is a world-wide web-based program running on a personal computer. It is used to access the system, search the directory server(s), and display information to the user in a variety of formats.

- Login to Cinemage Service Manager
- Accesses available content servers worldwide
- Searches content servers using variety of criteria
- Display of search results (thumbnail images, text records, audio files, etc.)
- Display of detailed records



### Directory Server

The Directory Server accesses the central directory or other remote directories which can be located anywhere on the Internet. It also handles search queries, and returns the results to the client and billing modules.

- Maintenance of central directory
- Connections to remote servers
- Powerful indexing and searching capabilities

### For Further Information

For further information on Cinemage or other products, contact the ACT Cinemage Group.

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### NetXchequer™ Authentication and Billing Server

NetXchequer™ authenticates users, accumulates session statistics, and updates user accounts. It is also used to create and maintain accounts, create and maintain packages of services, and handle billing.

- Creates customer service level packages
- Creation and maintenance of user accounts
- Billing to customers including credit card transactions, invoicing, subscriptions
- Monitoring and Collection of usage statistics
- Flexible reporting package

### Content Servers

The content servers retrieve information from the CDrom jukebox, converts content as required, and presents the results to the user.

- Retrieval of information from CDrom Jukeboxes
- Caching of frequently accessed information for speed
- Presentation of information in a variety of formats

Content servers can handle a variety of data formats (images, audio, video, etc.)

### Technical Requirements

	Client	Servers
<b>Hardware Platform</b>	Personal Computer (minimum 486 with 8Mg RAM, Pentium 100 with 32Mg RAM recommended.) Modem or direct Internet connection.	Pentium II PC or Sun SPARCstation (Ultra 1 with 128Meg RAM recommended) NSM Mercury 40 or Satellite PhotoCD Jukebox (optional).
<b>Software</b>	Minimum Windows 3.1. Windows 95 or 98 recommended. Web browser, Minimum Netscape 3.0 or Explorer 3.0.	Linux on Pentium system or Solaris 2.5 on Sun system
<b>Network protocol</b>	TCP/IP	TCP/IP
<b>Storage Requirements</b>		Significant disk space required for caching. At least 5gig recommended.
<b>Source Language</b>	HTML, C	C, C++, Perl