e-Learning Solution (MAXMEDIA)

2005
RealTimeTech, INC.
Introduction

• The most powerful and easiest e-Learning Solution

  - **MAXMEDIA Producer**: Video contents authoring tool

  - **MAXMEDIA Manager**: Video contents management & service system

  - **MAXMEDIA Indexer**: Video contents indexing service system
System Workflow

Audio Source  Video Source  Screen capture  Slideshow

Authoring  Manage  Playing

Editing  Publish

Media content server (including WEB server, Media streaming server)

Administrative tasks  Users tasks

Manage  Statistics  Search  Play

RealTimeTech, INC.
MAXMEDIA Producer

- Introduction
- Features
- Functions
Introduction

• Presentation tool of lecture, seminar and conference
  – Students can improve their presentation skill.

• Authoring tool of e-Learning contents
  – Improvement of off-line lecture.
  – Multimedia classroom.

• Authoring tool of knowledge contents

• Authoring tool of multimedia agenda contents
Features - 1

• **All process of lecture content is recorded as a video without any omission**
  - Three streams (video, audio & screen) are synchronized in real-time to be recorded as single video file.
  - The process of *PPT-used lecture is recorded while a windows application is being acted.

• **Contents are automatically created by video indexing information**
  - Contents are made in real-time indexing by each slide (title auto-extraction) in case the word file is used.
  - To complete the automatic index, a time-line based manual index is provided.
Features - 2

- **Editing video by the chapter unit**
  - A mouse dragging method to insert/modify/delete is provided for beginner.
  - The image & audio are automatically synchronized even after the editing of video contents.

- **Convenient exporting and service**
  - The video file of WMV format and the file of XML format that are convenient for exporting and services.
  - Web-based download & streaming service support.
  - Linked with the ‘**MAXMEDIA Manager**’, a powerful and easy contents management & service system.
Functions - 1

• e-Board
  - Pen, Marker, Eraser and Magnifying glass.
  - Various colors and thickness.
  - White board template.
  - Interface location & size control.
  - Tool-bar type Graphic User Interface.
  - Function to open the *PPT files.
Functions - 2

• Recording
  - Automatic indexing in real-time by the unit of document page and slide.
  - User input based manual indexing.
  - Pause of recording.
  - Restarting to record after the cancellation of recording.
  - Conversion into Windows mode.
  - Camera preview.
  - Screen/Camera/Microphone set-up.
  - Input of real-time chapter-information.
  - Recording the screen/camera/audio as a video file(*WMV)
  - Text page conversion and entire list.
Functions - 3

• Editing
  - Video editing by the chapter unit of contents (mouse dragging method).
  - Time-line based editing interface.
  - Modifying the contents information.
  - Two phases (chapter/section) of contents structures.
  - Recycling the existing video files (chapter/section unit is added).
  - Function of recycle-bin.
Functions - 4

- **Playing**
  - Playing by the unit of contents.
  - Changing the location of screen/camera window.
  - Playing the entire screen.
MAXMEDIA Manager

- Introduction
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Introduction

- **MAXMEDIA Manager** is a web-based VOD management and service solution that can easily and conveniently manage, search and service the lecture video, created by the MAXMEDIA Producer.
Features - 1

• Linked with MAXMEDIA Producer
  - MAXMEDIA Manager can register and manage video file and meta-data file that were created by MAXMEDIA Producer into streaming and database server. Users can connect the meta information with web page to search and to play the video files as well.

• Support server setting program
  - Media Server, IIS and Database Server that are necessary for VOD service can be easily set by using the Setting Wizard.

• Active-X based web viewer
  - User can play video file through the Active-x web player. Active-X web player is installed automatically, if the user can connect to VOD service web page.
Features - 2

- **Support service interface setting**
  - Administrator can set the user’s interface of screen, logo and etc. This can minimize the customizing.

- **Support user authorized setting**
  - MAXMEDIA Manager is divided into administrator and registrant. The administrator can carry out managerial affaires including the registration of video, while the registrant only can conduct a registration work except the management.
Functions

• **Management & Statistics**
  - Video contents & metadata information management.
  - Contents classification management.
  - Registrant management.
  - Media Server management.
  - Statistical figure support by user and connection by contents.
  - Service interface setting.

• **Search & Playing**
  - Classification search, video search by chapter/section.
  - Streaming & Download service support.