

LECTURNITY® 3 factsheet



Recording



MS PowerPoint® integration

- Installation as a MS PowerPoint® Add-In
- Start via MS PowerPoint® menu option
- Object-based import of MS PowerPoint® contents
- Objects depicted as vector graphics
- High quality display and lossless scalability of MS PowerPoint® contents
- Conversion of MS PowerPoint® animations

Configurable project templates

- Project driven production process
- Definition of reusable settings
- Audio and video settings (resolution, image quality, codec, data rate, colour model, frame rate, brilliance, number of channels, contrast, sampling rate, driver)
- Freely configurable toolbar



Configurable document structure

- Structure, order and description of slides and chapters



Import of image formats

- BMP, GIF, JPG, TIF, etc.

Authoring on the fly

- Synchronous combination of all media types (pages, annotations, screen grabbing, video and audio) during recording



Graphical and text annotations

- Annotation tools (pointer, text marker, digital pen, geometrical objects, text input)

Monitoring

- Visual and functional audio and video monitoring with integrated alert function



Screen grabbing

- Embedding of any source format, desktop activities and software applications
- Additional annotations on screen grabbing clips
- Size and position of the screen grabbing area to be recorded is freely configurable
- High quality display via loss-free codec



Retrieval capability

- Automatic indexing
- Searches for keywords and full text
- Directory

Edit mode

- Structure-, object- and timeline based editing



Editing tools

- Cutting tasks possible on all types of media without loss of synchronisation
- Document composition: concatenation of document sequences
- Insertion and deletion of video and screen grabbing clips
- Preview function for the direct monitoring of editing operations
- Project driven process for editing, with saving of all conducted editing operations
- Editing operations with millisecond and frame accuracy

Import and export

- Import and export of audio, video, freeze frame and screen grabbing clips



Interactive Content

Interaction

- Design of learning paths using labels and branches
- Individual user navigation via buttons, transparent interaction and rollover areas

Testing



- Question types: single / multiple choice, true/false, fill-in-the-blank, drag&drop
- Combining questions to tests
- Creation of event-driven learning logic
- Definition of test parameters such as number of tries, time limit, examination criteria percentage
- Creation of questionnaires
- Combination of tests with other page contents such as interaction, videos, screen grabbing clips
- Free-form design and layout



Reporting and monitoring

- Evaluation of test results
- Test results can be adapted to the target group: direct learner feedback and/or evaluation in the learning management system



Mobile Content



Output format

- Creation of video podcasts in MPEG-4 format
- Creation of Flash®-Files

Mobile devices

- The contents can be used on mobile players, such as iPod®, PDA or PSP™ (PlayStation Portable®)



Usability

Easy recording

- Standardised, intuitive toolbar
- The view can be changed to full screen mode during a presentation, by use of key combinations and mouse actions as in MS PowerPoint®
- Project driven production process
- Definition of project settings for fast re-use
- Freely configurable toolbar with more than 20 tools

Easy post production

- Easy editing with direct preview function
- Wizard driven publishing process with individual profiles

Simplicity

- Numerous navigation possibilities within the document: directory, thumbnails, timeline, title, keyword and full text searches
- Established interaction patterns and human interface device standards
- Customizing to corporate design and project specific skins



Integration



Hardware

- Complete support of analogue and digital video formats: DV, Mini-DV, WDM, VFW
- Supports SMART Board™ tools during the recording of the presentation



Learning management systems (LMS) / content management systems (CMS)

- Creation of SCORM compatible documents for use in LMS / CMS
- Export of test results in LMS according to SCORM 2004 standard

SLIDESTAR

- Automatic upload of interactive flash files to open content platform www.slidestar.net
- Content management and content sharing of LECTURNITY® documents
- Retrieval of audio- and text content
- Open APIs

Podcast-clients (e.g. iTunes®)

- Automatic update and synchronisation with iTunes®



Publishing

Individual configuration possibilities

- Design templates for adapting design and layout
- Freely configurable standard navigation
- Individual profiles for rapid and easy publishing



A variety of output formats

- Publishing as RealMedia™, Windows Media® or Flash™ document
- LECTURNITY® Player format for high quality, retrievable documents
- Creation of mobile content as a LECTURNITY® podcast document (MPEG-4)



Variable use

- Supports all standard web browsers: MS Internet Explorer®, Mozilla®, Netscape®
- Variable bandwidth optimisation
- Multiple bandwidth profile for different bandwidths in one document
- Create installation free CDs and DVDs
- Free scalability of the complete layout as well as individual components during playback
- Batch mode for enhanced productivity



System requirements

General

- MS Windows® 2000, XP
- Windows Installer 3.01 or higher
- Java™ Runtime Environment 5.0 (Redistribution through LECTURNITY®)
- Java™ Media Framework 2.1.1 (Redistribution through LECTURNITY®)
- Java™ Advanced Imaging 1.1 (Redistribution through LECTURNITY®)
- CPU: 300 MHz or equivalent (recommended: 600 MHz), for video generally: 600 MHz
- RAM: 64 MB (recommended: 128 MB)
- Graphic: VGA card
 - Resolution: 1024 x 768 or higher
 - Colour depth: 65536 colours or higher
- Audio: Windows compatible sound card
 - 16 bit support
 - loudspeaker or headphones
- Video: Software Codec Indeo Video 5.0 or higher
- Acrobat® Reader® 4.0 or higher

Recording & Production (with the LECTURNITY Assistant)

- Video recording: Webcam, VFW or WDM compatible video camera or DV-/Mini DV-camera, when using WDM: DirectX 9.0 or higher
- CD Production: CD burner and corresponding software, optional for CD distribution with player installation: installation programme for LECTURNITY® Player (please note the licence agreement)
- Microphone (Recommendation: Headset, Mixer and/or microphone amplifier, Wireless microphone)
- Recommendation:
 - combined digital pen-based input/output device: touchscreen, whiteboard, etc.
- Optional: MS PowerPoint® 2000, 2002, XP, 2003

Post-editing (with the LECTURNITY Editor)

- MS Windows® 2000, XP (recommended: 2000, XP)
- CPU: 600 MHz or equivalent (recommended: 1 GHz)
- RAM: 128 MB (recommended: 256 MB)
- Graphic: VGA card
 - Resolution: 1024 x 768 or higher
 - Colour depth: 65536 colours or higher (16.7 Mio. colours)
- DirectX 9.0 or higher

Replay

- RealMedia™ or Windows Media® documents
- Browser:
 - RealMedia™: MS Internet Explorer® 5.0 or higher, Netscape® 6.0-7.0.x, 7.1, 7.2, Mozilla® 1.x, Firefox® 1.0 or higher;
 - Windows Media®: MS Internet Explorer® 5.0 or higher, Netscape® 7.1, 7.2, Mozilla® 1.4, 1.6 or higher, Firefox® 1.0 or higher (with ActiveX PlugIn)
- Settings: JavaScript™ and StyleSheets activated
- Player PlugIn: RealPlayer® PlugIn 6.0 (or higher) or Windows Media Player® PlugIn (6.4 or higher) resp.
- Optional: RealSystem® Server 6.0 (or higher) or Windows Media® Services 4.1 (or higher) resp.
- Flash™-Player-PlugIn 6 or higher
- Optional: Flash™ Media Server 2 (or higher)