

Digital Records Management Trends

• Alan A Andolsen CMC CRM
• President
• Naremco Services Inc

ARMA Liberty Bell Chapter 12 Feb 2009

Copyright, Naremco Services Inc, 2000-2009

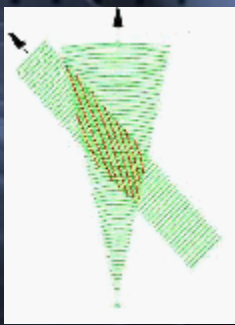
Holography

Method of Lensless Photography in Which the Wave Field of Light Scattered by an Object is Recorded on a Plate as an Interference Pattern.

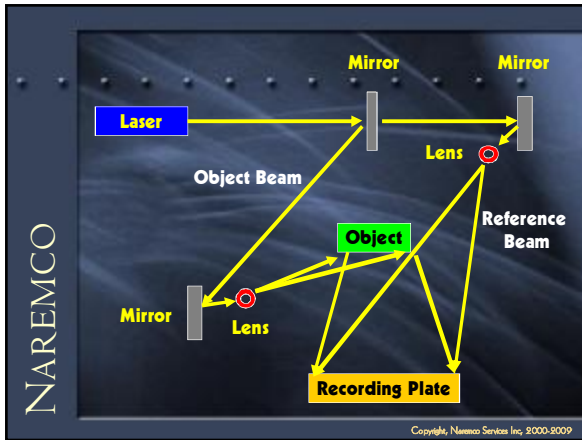
Copyright, Naremco Services Inc, 2000-2009

Holography

- Two coherent laser beams [point source and plane wave] intersect causing
- Stationary interference pattern of bright and dark fringes.



Copyright, Naremco Services Inc, 2000-2009



Audio

StreamSage

- US NIST Advanced Technology Program
- Speech Recognition
- Contextual Analysis
- Parse to Table of Contents
- Comcast Programming

NAREMCO

Copyright, Naremc Services Inc, 2000-2009

3-D

3DESS

- Engineering Search Program
- Three Dimensional Objects
- "Voxel"
 - Pixel for 3D
 - Volume of Object at Any Point
- Query by Example, Sketching

NAREMCO

Copyright, Naremc Services Inc, 2000-2009

Face Recognition

Resolution Mismatch

- Carnegie Mellon Software
 - Super Resolution
 - Feature Extraction
- Multiple Cameras



Copyright, Naremc Services Inc, 2000-2009

Electronic Ink

Applications

- Advertising
- Electronic Books
- Update-able Newspapers
- Roll Up Computers


Types

- Reflective
- Emissive

Copyright, Naremc Services Inc, 2000-2009

Electronic Ink

Microcapsules
Thin Film
Flexible



Copyright, Naremc Services Inc, 2000-2009

Electronic Ink

Reflective

- Movement Varies with Charge
- Printed on Flexible Surface
- No Refresh Necessary

NAREMCO

Copyright, Naremo Services Inc. 2000-2009

Electronic Ink

Emissive

- Current: organic light emitting diodes (OLED) on plastic or metal foil substrates
- Emerging: ordinary paper coated with thin layers of plastic electronics [KETI]
 - Reflective/Backlit
 - 400+ candelas/m² (Standard Monitors = 150-1200 c/m²)

NAREMCO

Copyright, Naremo Services Inc. 2000-2009

HD Rosetta

- Ion Beam Technology
- Nickel Disks
- "Geologic" Longevity
- Digital OR Analog
- Reader :
 - Bright-Field Microscope

NAREMCO

Copyright, Naremo Services Inc. 2000-2009

NAREMCO

HD Rosetta

- 2" Square**
- 200GB Capacity**
- 300+ CDs**
- 196,000 Analog Pages**



Copyright, Naremo Services Inc, 2000-2009

NAREMCO

HD Rosetta

Applications

- **Large Static Databases**
- **Government, Insurance, Banks**
- **Genealogical Information**
- **Selsmic Data**
- **Diamonds**

Copyright, Naremo Services Inc, 2000-2009

NAREMCO

Digital Records Management Trends

Alan A Andolsen CMC CRM
 President
 Naremo Services Inc
 60 East 42nd Street
 New York, NY 10165
 E-Mail: AlAndolsen@NAREMCO.COM

ARMA Liberty Bell Chapter 12 Feb 2009

Copyright, Naremo Services Inc, 2000-2009
