

# scanR Introduction

~Business Center in your pocket~

scanR K.K. March 2009



#### Who are we & what we do?

Company Name : scanR K.K.

Japan Office : Minato-ku, Tokyo

Headquarter : Palo Alto, CA U.S.A.

Corporation : May 2007

Intel, Hewlett-Packard, Kodak's PhDs & Myspace, E-bay 's Server engineers funded scanR in Silicon Valley

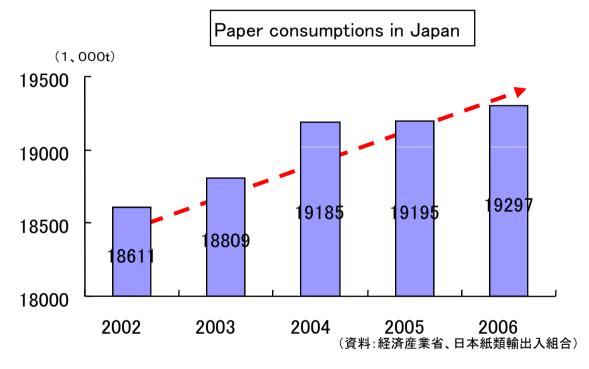
#### Missions

scanR is an online SaaS that enables a camera phone or digital camera to function as a scanner, copier and fax



# Problems - Information on Physical Media is growing

- In Japan, 130 A4 papers are produced per day per person in 2006.
- 70% of those includes information such as brochures, note, contract document, copies etc.....
  Source; (JATAN)







## What are we resolving?

Digitize information on physical data in Mobile environment. Utilize tools such as store, search, share and improve efficiency of corporate, prosumers and consumers.

Papers/Physical Media

Can't use tools such as Store, Search, Share.

Digital Information
 Can use digital tools and effective



These device need to be plugged-in the wall!



# scanR - How did we resolved? (More than 1B 2MP camera phones were shipped in 2008.)

#### **scanR**<sup>™</sup> Service

#### **Value**

FAX, Copy, scanner functions only with camera phones



#### Reduce cost

Do not require expensive hardware.



Utilize PC and cell phone tools



#### **Efficiency**

Digitizing information in mobile environment.



Service integration with other services with open API on server



#### **Flexibility**

 Integrating with other service to improve productivities



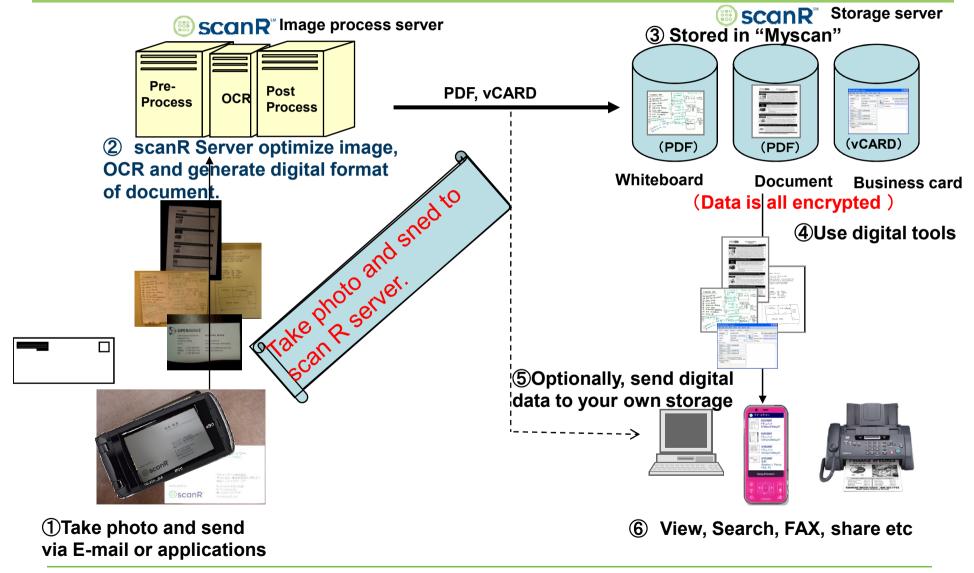


#### **Usability**

Many users can use very simply



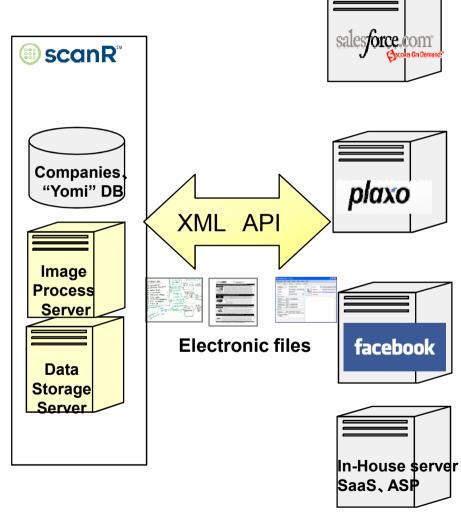
#### How does scanR works?



## scanR Systems- Open Server Architecture

Consists of image process server & data storage server.

- Name of companies and Japanese Name "Yomi" database are integrated to improve accuracy of scanning.
- Easy integration with other ASP, SaaS and in-house server with open API.
- Already integrated with several partners and corporate servers





#### **Image Process Server**

#### Challenge of camera phones

- Improving mega pixels but still 5MP range
- Shaking and out of focus is often happen due to phone design.
- Hard to take pictures with right geometry
- Lens is still small and refraction is issue
- Shadow aperies when take documents from top
- Distinguish document and back ground is not easy







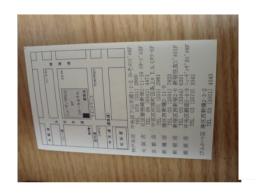


Need to resolve those challenges before OCR images to generate accurate digital document.

## Image processing technology (Patent Pending)

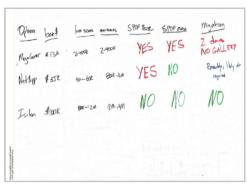
#### Geometry adjustment

Adjust geometry of slant image









- Noise reductions
  - Refection, Shadows and other noise on image
- Edge detection
  - Distinguish actual documents and back ground
- Graphics & characters separations

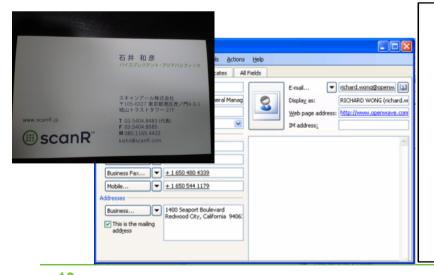




# Image processing technology (Patent Pending)

- Low resolution image optimization
  - Support 2MP camera
  - White board and note can be supported from 1.3MP
- Grammar Engine Post image process
  - Convert post OCRed engine tp PDF or vCARD

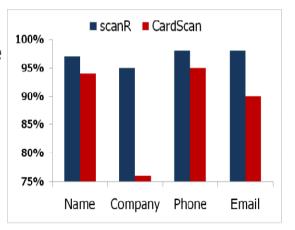




scanR accuracy.

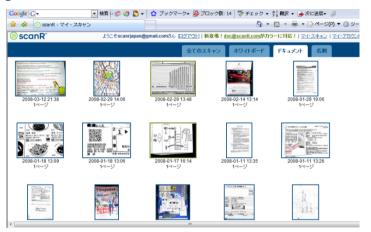
Average 19% accurate
Than CardScan

Source: Frost & Sullivan



## Data storage Server - Secure data storage

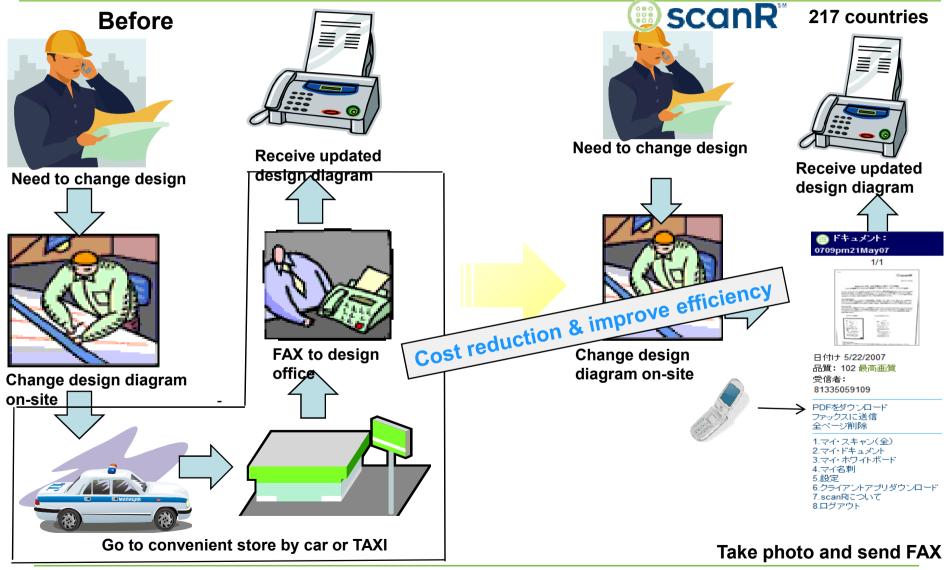
All data is encrypted and stored



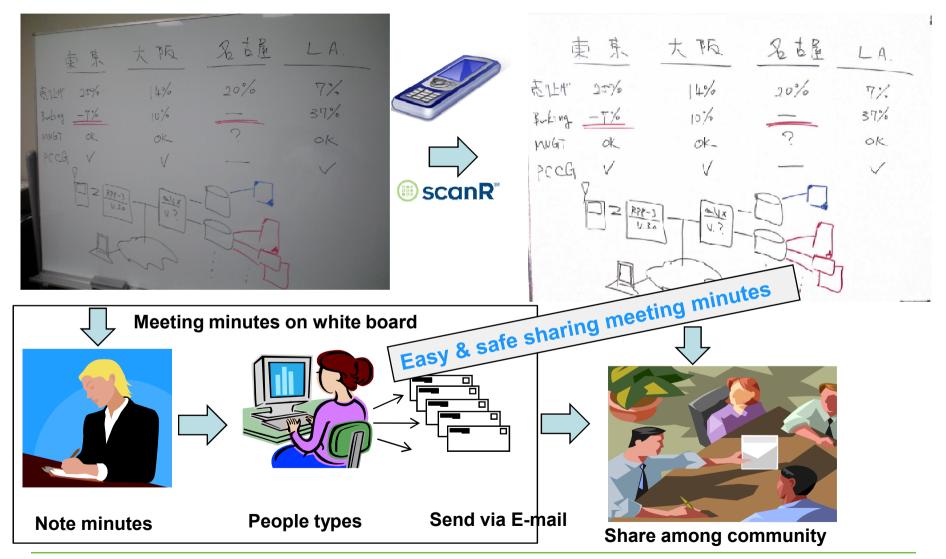


- scanR Systems were accepted by Symantec's "Security Investigations"
- User can chose not to store scanR storage server and store own storage

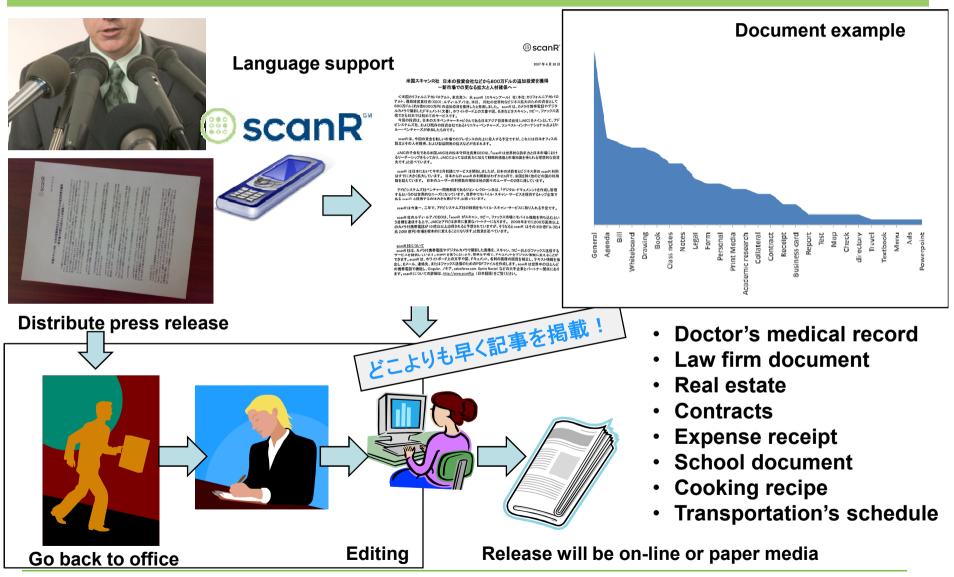
# Examples – Mobile FAX – A construction company



## Examples – sharing meeting minutes



#### Examples – Press release

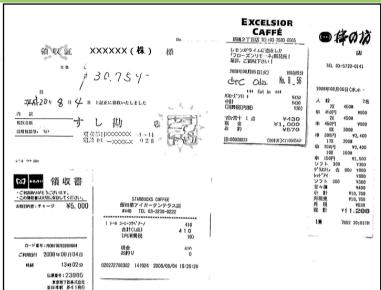


## Examples – Business card reader



## **Example Expense Report**

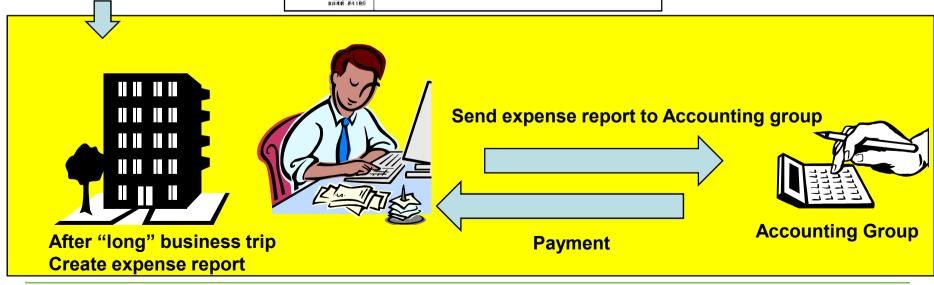




Send or share expense report with receipt with PDF format



**Accounting group** 





# scanR preset handsets







E05SH & E06SH



## Partnership Landscape

Marketing Partnerships & Integrations via scanR API











Distribution Partnerships





















