

Technology in the Practice of Police Psychology

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- Voice dictation
- Backup
- Hardware
- Scanning
- Survey Monkey
- Web Page Development
- Portable Devices / Outlook
- Presentations
- Effective use of the internet
- Video conferencing

Voice Dictation

- Dragon Naturally Speaking (DNS)
- Current version is 9.5
- Only available for PC
- Same program Dictaphone is using for police products

Dragon Naturally Speaking

- Windows emulation programs take a great deal of horsepower and less successful
- Compatible with Vista and Office 2007.
- Ideal horsepower is a Core 2 Duo w/ 4mb of L2 cache (2.0 ghz and up) with minimum of 2 gb of RAM

Dragon Naturally Speaking

- Almost instantaneous dictation on screen
- P4 2.4ghz w/ 1GB RAM minimum with a good microphone – and using XP which is less resource intensive
- Minimum level program should be DNS 9.5 preferred (not standard or lesser flavor). Professional if you want to write macros

- Medical or Legal – jury is out – you can acquire third party vocabularies less costly as an add-on to Professional
- With Knowbrainer you can add on to Preferred and make that similar to Pro at less than half the total cost
- People say that you need the high end digital recorders to have the accuracy make it work (Olympus 4000 - \$450)

DNS & Digital Recorder

- People generally use the digital recorder by:
- Recording
- Secretary transfers to DNS
- Secretary plays it back to listen and make editing changes.

Sound Cards / Pods

- DNS will only work as well as its weakest link
- External USB soundcard pod really makes a difference as it takes the signal outside the noise of the case and computer.
- These have standard microphone inputs.

Wired Microphones

- Best is a wired headset
- Sennheiser M3 (about \$165), but specially modified by either Knowbrainer or Emicrophones
- RadioShack knockoff of the Sennheiser (about \$60), good accuracy, noise cancellation but not quite as adjustable with a longer stem.

Wireless Mics

- Modified Plantronics CS55 - pricey (\$299), but quick, excellent noise canceling and accurate.
- The Boom microphones get good ratings.
- Several Bluetooth wireless out there (Parrot B150GTX -\$160 with a BT compatible computer) – a little less accurate depending on who you talk to

Wireless Mics

- Revolab XTag (\$249) not Bluetooth, but very cool – it's a cigar shaped lapel mic that goes in your front pocket. Downside is the poor noise canceling – but if you're in a fairly quiet environment people absolutely love it

Other Mics

- Another non-headset, desktop solution is a balanced spring microphone arm with the Sennheiser MD 431 II – this one's a benchmark setter, but \$402
- A good microphone will provide a purer signal so that DNS and the computer won't have to use extra horsepower to clean it up - a good microphone isn't just more accurate – it's faster

Where to Shop

- Good experience with Emicrophones or Knowbrainer.
- Knowbrainer offers a 30 day unconditional guarantee. Very good about returns, refunds, etc.

Where to Shop

- Emicrophones likes their customers to be happy. Some of the mics come with their modifications -- very important for the performance
- If you go to Buy.com or Amazon you get an unmodified version at a lower price, but beset with problems.
- Knowbrainer.com
- Emicrophones.com



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Home > Products > Dragon NaturallySpeaking > Matrix



Dragon NaturallySpeaking 9
Finally Speech Recognition Everyone Can Use!

Dragon NaturallySpeaking

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Feature Comparison Matrix

The Dragon NaturallySpeaking 9 Feature Comparison Matrix details which features are available in Dragon NaturallySpeaking Medical 9 and Dragon NaturallySpeaking Medical 9 Small Practice Edition.

Usability Features

FEATURE	Medical 9	Medical 9 Small Practice Edition
Up to 30% accuracy improvement	✓	✓
Microphone included	✓	✓
New on-screen tutorials	✓	✓
No enrollment	✓	✓
Dictate into most Microsoft® Windows®-based applications	✓	✓
Support for more applications	✓	✓
Select-and-Say Indicator	✓	✓
Voice Notations in Microsoft® Word	✓	✓
Intelligent Outlook support	✓	✓
Control menus and dialog boxes in most Microsoft® Windows® applications by voice	✓	✓
Say Web and browser links by voice	✓	✓
Simultaneous dictation and command modes	✓	✓
Format and edit by voice	✓	✓
Natural Punctuation	✓	✓


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Dragon NaturallySpeaking

Overview

Personal & Home

Business & Professional

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Product Editions

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Feature Comparison Matrix

The Dragon NaturallySpeaking 9 Feature Comparison Matrix details which features are available in each Dragon NaturallySpeaking product.

Usability Features

FEATURE	PROFESSIONAL	PREFERRED	STANDARD
Microphone Included	✓	✓	✓
Short Set-up and User Enrollment	✓	✓	✓
Dictate into Most Microsoft® Windows®-based Applications	✓	✓	✓
No Training Required	✓	✓	✓
New Tutorials	✓	✓	✓
Support for Non-standard Edit Controls	✓	✓	✓
Select-And-Say Indicator	✓	✓	✓
Support for Mozilla Firefox and Thunderbird.	✓	✓	✓
Control Menus and Dialog Boxes in Most Microsoft® Windows® XP & Windows® 2000-based Applications by Voice	✓	✓	✓
Simultaneous Dictation and Command Modes	✓	✓	✓
Format and Edit by Voice	✓	✓	✓
Mouse Control by Voice	✓	✓	✓
Nothing But Speech (NBS)™ Natural Punctuation	✓	✓	✓
USB Audio Support	✓	✓	✓
Performance Optimizer	✓	✓	✓

Backup

- In House
- Out of House
- Auto or Manual
- Tape
- Disk Drive - RAID
- External Disk Drive
- DVD

In House

- RAID system
 - 1-6, 0+1, 7, 10, S
 - Striping for speed
 - Mirroring for safety of data
 - Hot swap or not
- RAID 1 - MIRROR & DUPLEXING
 - Basically makes 2 copies on 2 drives

In House

- Tape drive - take one copy off site
 - Auto software on servers is pricey
 - Requires human intervention to swap tape
- External hard disk - take offsite
- Full and incremental backups to DVD - taking a copy off site
 - Requires action by someone

Online Backup

- Local Backup is usually in same location and not stored off site
- Easy to use
 - Drag and drop or auto at specific time
 - Data available anywhere
- Can be costly
- Always off site - usually dual hot site

Backup Software

- Acronis Trueimage
- Pentazip
- Partition Magic
- Retrospect (free w WD drives)
- SOS Online Backup
- Mozy Remote backup
- Siverkeeper (free with Iomega drives for MAC)

Personal Backup Strategies

- External Hard Drive
 - Manual
 - Automatic Software
 - Usually ships with drive
- Burn a DVD and take off site

External local backup

- External Hard Drives
 - 500 GB - \$100-\$175 online
 - 1TB \$219-\$350 online
- RAID or NAS
- Drobo - about \$500 w/o drives
 - 4 drives SATA - great but \$\$

Where to Shop

- www.Buy.com
- www.Techbargains.com
- www.Newegg.com
- www.tigerdirect.com
- www.salecircular.com

Hardware

- Desktops
- Laptops
- PC versus MAC
- Monitors

Desktops

- Intel vs AMD
- Core 2 Duo
- Quad Core
- Extreme
- Cache memory on processor (4 vs 2)
- RAM - 2GB minimum

Laptops

- HP
- Toshiba
- Dell
- Apple

PC or MAC

- Intel chips
- Dual boot
 - Parallels - Bootcamp
- Corporate connectivity
 - OS X
 - Vista
 - XP

Mac is growing

- Up from 10% last year to 17% this year
- OS Leopard coming in October
 - Time Machine
- Innovative
- Best for video & photo editing & Music

Mac problems in a PC World

- Remote Desktop
- Exchange Server
- Specialized scoring software
- Need plug ins for some PC standards
- Complicated networks are tricky

Mac

- Great software - iLife '08
 - Photo, movies, music, fun stuff
- New Office coming soon
 - Currently Office 2004
- Safari not supported everywhere
- Great Screens (all glossy now)
- Cameras on laptops
- Ease of use - it just works

Mac Advantages

- Universal Applications coming
- Two monitor ability built in
- Camera built in
- Peripherals just work

PC

- More options - high end options
- Office 2007 available now
- Third party applications needed
- Lots of junk installed you don't want
- More susceptible to virus, spyware, etc.
- Everyone uses them

Mac or PC ?

- PCs can do everything that Macs do but often with additional steps and or software needed
- Macs cannot always do what PCs can - often software is PC only
- Mac versions of PC software often less featured
- Not as much power needed on hardware side because OS is more efficient for graphics
- Answer really depends on use - BOTH

Monitors

- 19 - 22 - 24 inch models for PC
- 20 - 24 - 30 inch for Mac
- 19 widescreen is same size as 17 4:3
- Desktop choice
 - 22 inch with built in camera and mic for PC
 - 24 inch for Mac (buy 2 for cost of 30")

Wireless

- Keyboard and / or mouse
- Combo units - Logitech nuovo edge
- Bluetooth or proprietary RF
- Mac is bluetooth
- Depends upon use - can be nice
- Battery life - rechargeable - AA/AAA

Scanning

- Fujitsu Scansnap
- PC and Mac models
- About \$400 with \$50 rebate
- Full version of Adobe Acrobat included
- OCR, business card and filing programs
- 36 pages per minute (18 x both sides)
- Color (150-600 dpi)
- B & W (300-1200 dpi)

Scansnap

- Auto sizing for mixed size pages
- Scans business cards into outlook
- Searchable PDFs (slower)
- Scan directly into Word, Excel, Powerpoint or other programs
- De-skews
- Model 510 has version 8 adobe

Scanning

- Scanned 20K charts w 4 units this summer
- Must destroy original to use backup as a legal copy
- Scan all personal financials
- Starting to scan all office documents
- Available on & off site
- Backup copies
- Easier & faster to find than in filing cabinets
- 400 sq ft of files now fit in less than a sq foot

So what's the catch?

- This is not a TWAIN or ISIS compatible scanner
- You probably don't need it to be
- Industry standards to allow input to and control from all sorts of programs
- These do a few things better than anything else
- If you want to scan photos into photoshop for fancy work then this is not the answer

Consumables

- Recommended to change pick roller at 100K scans
- Recommended to change pads at 50K scans
- Send it in for \$125 or buy service agreement or buy parts for \$75 DIY

Survey Monkey - Free Version

- Up to 100 Responses
- 15 types of Questions
 - Multiple choice, rating scales, open ended
- Themes
- Supports any language
- Randomized or sort questions
- Saves to PDF

Collect Responses

- Emails
- Web linking
- Limited Analysis Tools

Pay version

- \$20 per month or \$200 per year
- Survey templates
- Unlimited questions
- Skip Logic
- Website Pop-up invitations
- Logos



You have a **basic account**. | To remove the limits of a basic account, including unlimited questions, [upgrade now!](#)

survey title: **example survey** [Edit Title](#) | [design survey](#) | [collect responses](#) | [analyze results](#)

- Edit Survey
- Survey Options
- Print Survey
- Restore Questions

Edit Survey

To change the look of your survey, select a theme below.

Spring Day

New Theme

[Add Page Here](#)

[Preview Survey](#)

Page #1 [Edit Page](#) [Copy](#)

1. Default Section

[Add Question Here](#)

Edit Question
Move
Copy
Delete
Add Logic

1. What is the greatest Science fiction movie of all time?

The Day the Earth Stood Still

Forbidden Planet

Fifth Element

War of the Worlds

[Add Question Here](#)
[Split Page Here](#)

Edit Question
Move
Copy
Delete

2. I would rate the overall quality of these 1950s Science Fiction Movies as:

	Good	Better	Best
Forbidden Planet			
When Worlds Collide			
The Day the Earth Stood Still			

[Add Question Here](#)



You have a **basic account**. To remove the limits of a basic account, including unlimited questions, [upgrade now!](#)

survey title: **example survey** [Edit Title](#) | [design survey](#) | [collect responses](#) | [analyze results](#)

- View Summary
- Browse Responses
- Filter Responses
- Download Responses
- Share Responses

Response Summary

Total Started Survey: 5
Total Completed Survey: 5 (100%)

Page: Default Section

1. What is the greatest Science fiction movie of all time?

	Response Percent	Response Count
The Day the Earth Stood Still	0.0%	0
Forbidden Planet	60.0%	3
Fifth Element	40.0%	2
War of the Worlds	0.0%	0
<i>answered question</i>		5
<i>skipped question</i>		0

2. I would rate the overall quality of these 1950s Science Fiction Movies as:

	Good	Better	Best	Rating Average	Response Count
Forbidden Planet	20.0% (1)	40.0% (2)	40.0% (2)	2.20	5
When Worlds Collide	100.0% (5)	0.0% (0)	0.0% (0)	1.00	5
The Day the Earth Stood Still	40.0% (2)	20.0% (1)	40.0% (2)	2.00	5
<i>answered question</i>					5
<i>skipped question</i>					0

Web Page Development

- Register a Domain
- Create a Web site
- Go for the email option as well

Domain Registrars

- Internic - Dept of Commerce
- www.networksolutions.com
- www.Godaddy.com
- www.1and1.com
- \$9 a yr or less (up to 10 yrs)
- OWN your domain
- Packaged service with hosting

Web Page Design

- Registrars will package
- Costco offers 5 pages for \$275
- DIY
 - Word, Frontpage, etc
 - iWeb on Mac
 - Programs are discontinued or results not portable - watch for this

Professional Web Design

- Could easily be thousands of dollars
- May well be worth it
- You will be amazed at how many people access your site
- You will get business based on your site

Hosting

- Host it yourself - we host email and some of our web servers on site
- Probably would have been cheaper not to
- As low as \$4 a month - depends on bandwidth and size

Virtual Private Network VPN

- Allows a secure tunnel into your office computers from anywhere
- We upload and download reports
- Can access the security cameras
- Many cell phones allow VPN access as well
- One or multiple users at once

Portable Devices

- PDAs & Smart phones
- iPods - iPhones
- Other MP3 players
- Origami Ultra-portable PCs

What do you use it for?

- Calendar
- Contacts
- Email
- Internet access
- Pages/messaging
- Documents, pictures, music
- Phone
- Remote control

Sync

- Wired and Wireless
- Download appointments from your scheduling program to your PDA
- Keep an up to date contact list
- Receive and send email
- Keeps documents updated

What else?

- Receive pages from anywhere
- Send text messages
- Browse the internet
- Access your VPN
- Access your security cameras
- Control your home television, lighting, music, HVAC, security, etc

PRESENTATIONS

- PowerPoint
- PowerPoint or Keynote for the Mac
- Importing photos
- Importing video

Ovation

- Serious Magic sold to Adobe 10-06
- \$99 - free trial available
- Moving images in PowerPoint
- Teleprompter mode
- Vista not supported
- Office 2007 not supported
- Not sure about future

Effective Internet Use

- Favorite tricks
- Tabs
- Browser choices

Enlarge Text

- <>Scroll Mouse Control:
- Increase or decrease the text size by holding the CTRL button down on your keyboard while using the scroll wheel on your mouse.
 - Scroll forward to increase
 - Scroll backward to decrease
- <>Keyboard Control:
- Hold down the CTRL button on your keyboard and press the minus (-) or add (+) buttons.
 - Minus button will reduce text size
 - Add button will increase text size
- <>UI (User Interface) Control:
- By pressing the ALT button on your keyboard, you can toggle the text zoom feature on and off.

Mozilla Firefox

- Not as susceptible to problems as IE7
- May not be supported by all web sites
- Handles tabs better, more plug-ins (tool bar, text to speech)
- Live updating for auctions, etc
- Safer, cleaner, fewer features overall, not quite as compatible with all web sites
- Free
- Some folks use both

Apple Safari

- Now available for PCs - free download
- Not as compatible or supported - especially on e-commerce sites
- Not as featured
- Simple and intuitive, faster
- Easier to port to mobile web sites / phones
- Security problems found daily

Video Conferencing

- For fun and profit
- Saves travel and time
- Consultations
- Interviews
- Talk to and see your kids and grandkids

Well...but not for police work

- **Pre-Employment Psychological Evaluation Services - Guidelines Adopted by the IACP Police Psychological Services Section in 1998, Revised in 2004**
- **12. Individual, face-to-face interviews with candidates should be conducted before a final psychological report is submitted**

iChat

- **Apple to Apple definitely easiest**
- **Up to 4 video or 10 audio at once**
- **Can encrypt at 128 bit HIPAA compliant with .Mac account (all must have .Mac acct)**
- **Macs have best cameras around**

Skype

- **Free**
- **PC and Mac**
- **Secure, encrypted**
- **Video quality depends on camera, connection**

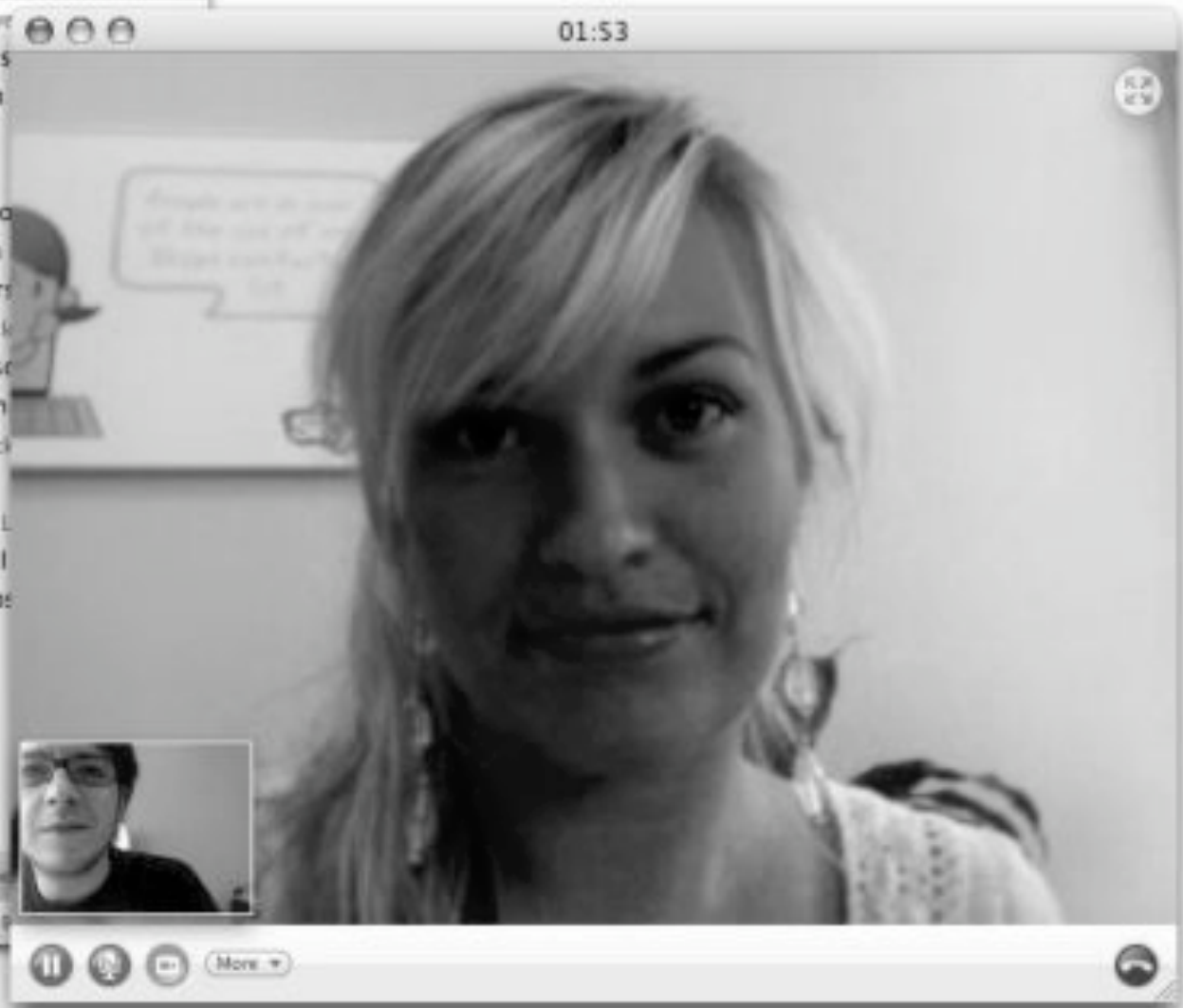
Skype™ (BETA) ...

Search and Call Contacts

Martin An... | € 01.52

- Chuck Morris yr
- Heather Anders
- Heather Jordan
- Helen Clarke
- Jeff Clarke
- Jessica Anderson
- John Anderson
- Kenneth Anders
- Laura Collins kk
- Marcus Anders
- Mark Anderson
- Mark Smith back
- Mary Carter
- Mom and Dad L
- Skype Test Call
- William Thomps

01:53



Call ordinary phone

More



Other options

- **MSN**
- **AOL**
- **Not as easy to use**
- **More trouble cross platform (PC & Mac)**

Questions

- Any other topics or tricks you wanted to share with the group

