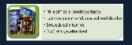
2011 CES Trends to Watch

Shawn Dubravac @twoopinions Presentation Available at: http://s.dbr.vc/fUW9SX

2008 2009 2010 2011



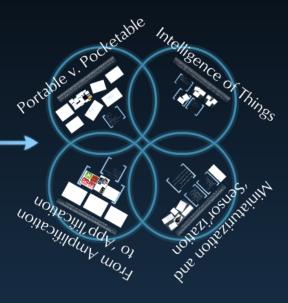












2011 CES Trends to Watch

Shawn Dubravac @twoopinions

Presentation Available at: http://s.dbr.vc/fUW9SX

2009 2010

provements add up and experiences lves



- · "Green" as a purchase factor
- Evolving command, control and display
- · Embedded Internet
- · (No) strings attached



- · Beyond HD:Tomorrow's TV
- Content: Connecting and Corralling
- New Screens Find the Sweet Spot
- Customization & Personalization:
- Empower the Individual









- Incremental improvements add up
- 360° solutions and experiences
- Distribution evolves
- Mobility redefined









- "Green" as a purchase factor
- Evolving command, control and display
- Embedded Internet
- (No) strings attached











- Beyond HD:Tomorrow's TV
- Content: Connecting and Corralling
- New Screens Find the Sweet Spot
- Customization & Personalization:
 Empower the Individual







Health n Me



Killer Pool YouS...augh







FallingBalls



Healing:



Pixi



Throttle



Pudge



Darts



Hangman



Cronk



Beginning



TapeMe Megaphone





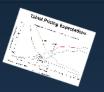
Megaphone TatomicLite

Portable v. Pocketable

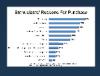
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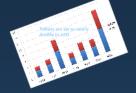


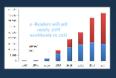




Browary inclinated	544
Email	1/451
Watering sides	73%
Receirge two c/periodicus	70%
Garring	NP
Viewingon certicolnems	6570
Ettering 1: 10.57	63%
Crema/tertatamangentar.	61%
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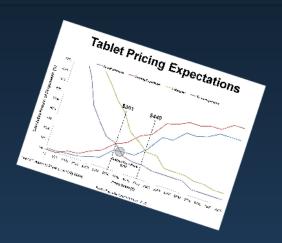


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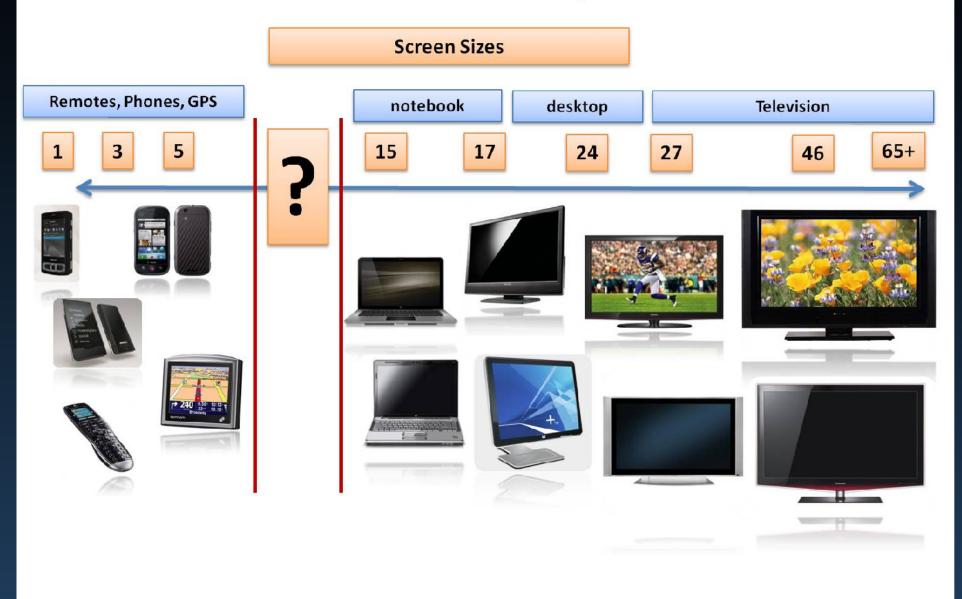


Browsing the Internet	94%
Email	84%
Watching video	73%
Reading e-books/periodicals	70%
Gaming	68%
Viewing office documents	67%
Listening to music	63%
Calendar/contacts management	61%
Social networking	61%
Online purchasing	57%

For Purchase



The Void Battleground in the Screen Spectrum













ViewSonic®

SAMSUNG













BlackBerry

CES 2011









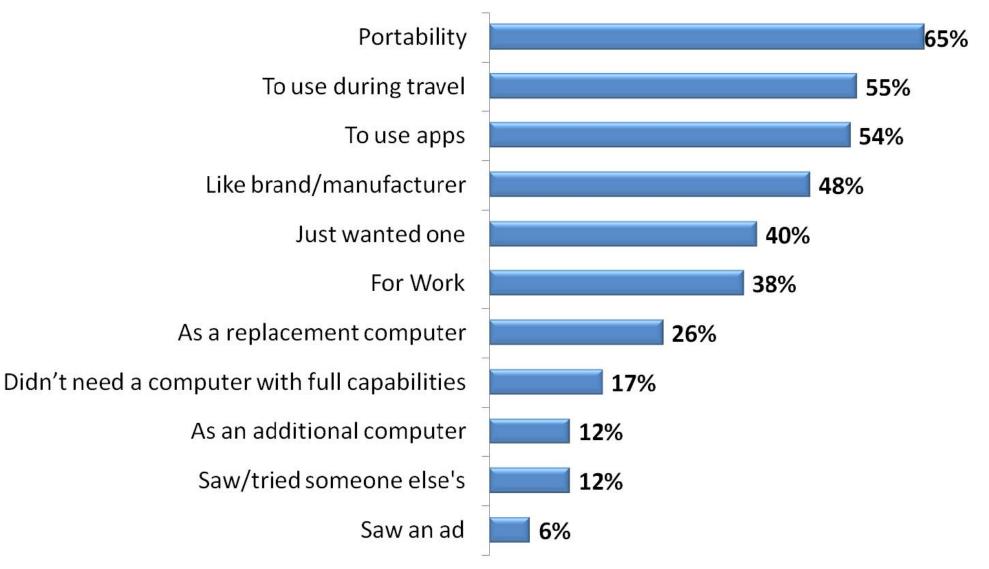




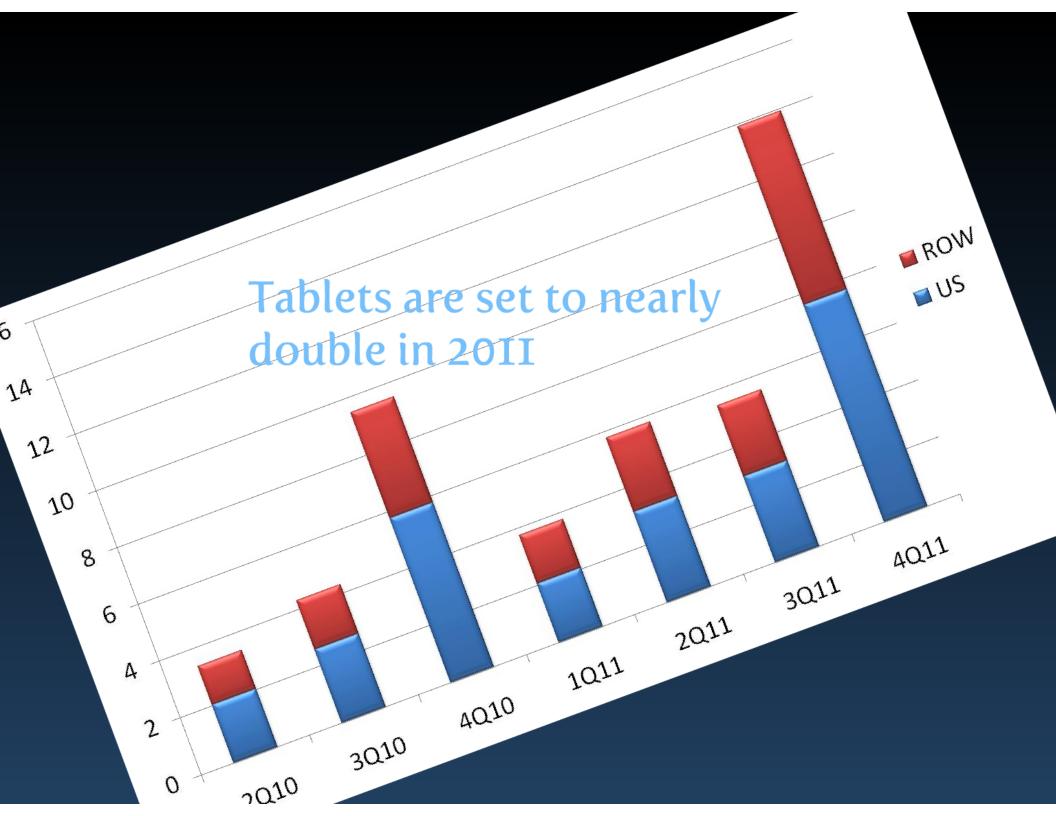


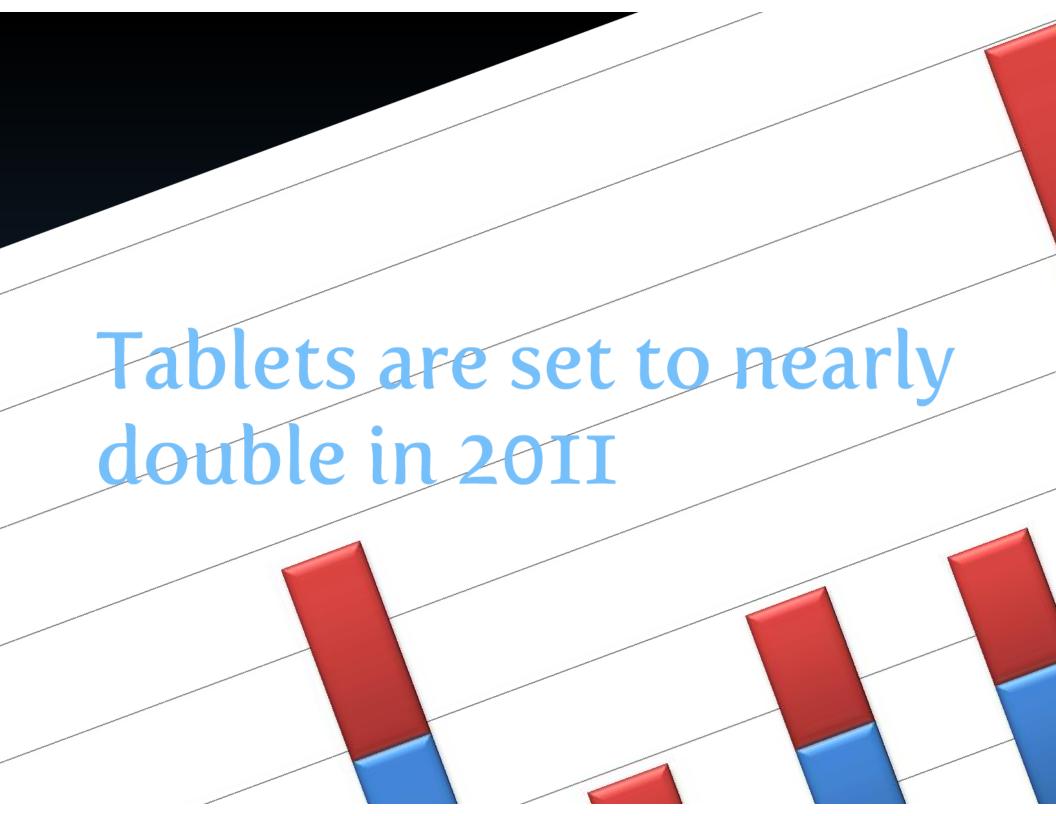
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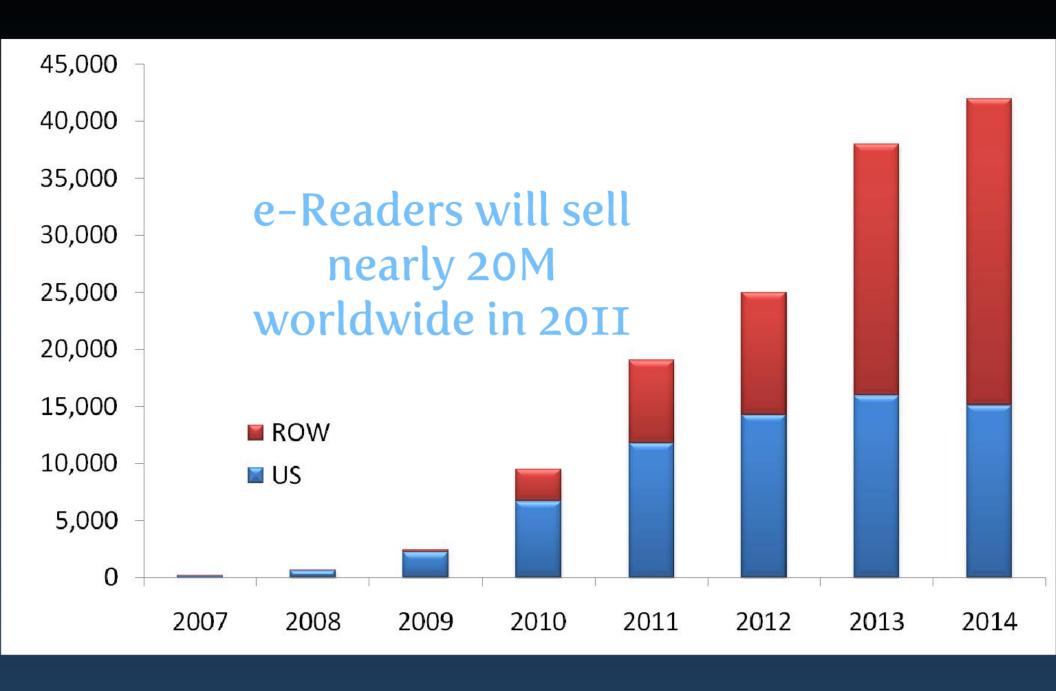
Enthusiasts' Reasons For Purchase



Q. Which of the following, if any, are reasons you originally purchased your tablet computer? Base: CNET Technology Enthusiasts who own a tablet (n = 82)



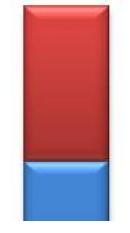




e-Readers will sell nearly 20M worldwide in 20II







Things To Look for at 2011 CES

- 1) Diffferentiation
 - form factor (screen size)
 - OS
 - Pricing
- 2) use-case scenarios
- 3) Integration of sensing technologies (accelerometers, cameras, etc)
- 5) close cousins (e-Readers): adding color, games, etc

oh...and don't forget the ecosystem

Intelligence of Things

Processors, apps, and online connectivity enable devices to collect data and operate more intuitively, transforming the user experience.









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What Makes it Possible

- Sensor
- Connectivity (Internet, Bluetooth, Zigbee
- Computing Power
- Network Effect of App Ecosystem







Things To Look for at 2011 CES

1) 171M Connected Devices and Counting

2) Smartphones Become the Point of User Interface

Machine-to-Machine communication

4) Creation of dat

What Makes it Possible

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Things To Look for at 2011 CES

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- 3) Machine-to-Machine communication
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Miniaturization and 'Sensor'ization

Sensors are getting smaller, less expensive, and more ubiquitous, empowering new offerings, services, and possibilities.







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ensor'izatio

Sensors are getting smaller, less expensive, and more ubiquitous, empowering new offerings, services, and possibilities.



Sensors

- capacitive and resistive touchscreens
- microphone
- camera
- accelerometer
- gyroscope
- compass
- pressure

Sensors in Everyday Life

- tire pressure sensor
- reverse cameras
- Parking/proximity sensors
- airbag deployments
- hill-side parking assist (accelerator)
- image stabilization
- anti-blur
- harddrive integrity





Sensors

- capaci touchs
- microp
- camer
- accele
- gyrosc
- compa
- pressu

Camera 73° Weather App Store

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Things to Look for at the 2011 CES

1) Combinatorial Innovation

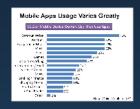
2) sensors used for different purposes

3) Companies responding to Users

From Amplification to 'App'lification

OEMs are changing the user experience with a focus on apps integration driving personalization and utilization











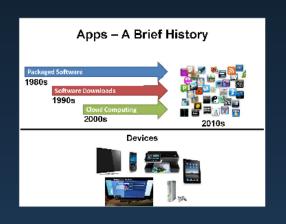


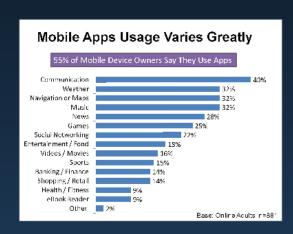




'App'lification

OEMs are changing the user experience with a focus on apps integration driving personalization and utilization





Consumer Perspectives on Apps and CE Percent - Strongly Agree / Agree		
Statement	%	
I want apps to work across all types of mobile devices.	43%	
I am overwhelmed by the number of apps available.	32%	
Apps remove the need to buy separate CE devices.	26%	
I'd like a better way to organize my apps.	22%	
I'm willing to pay for apps.	20%	
Date Online Adults (1981)		

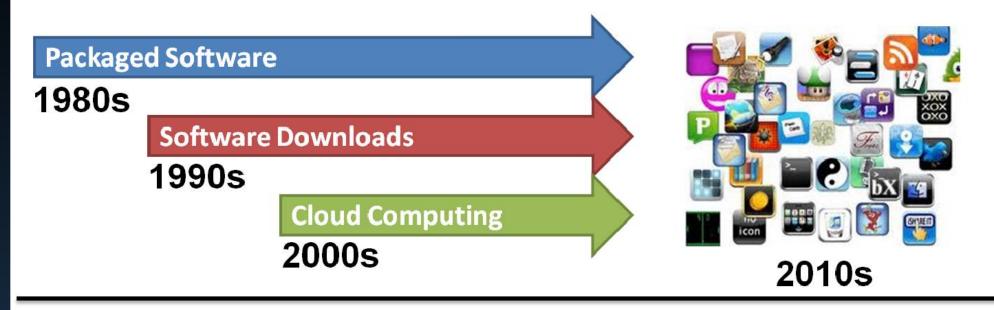








Apps – A Brief History

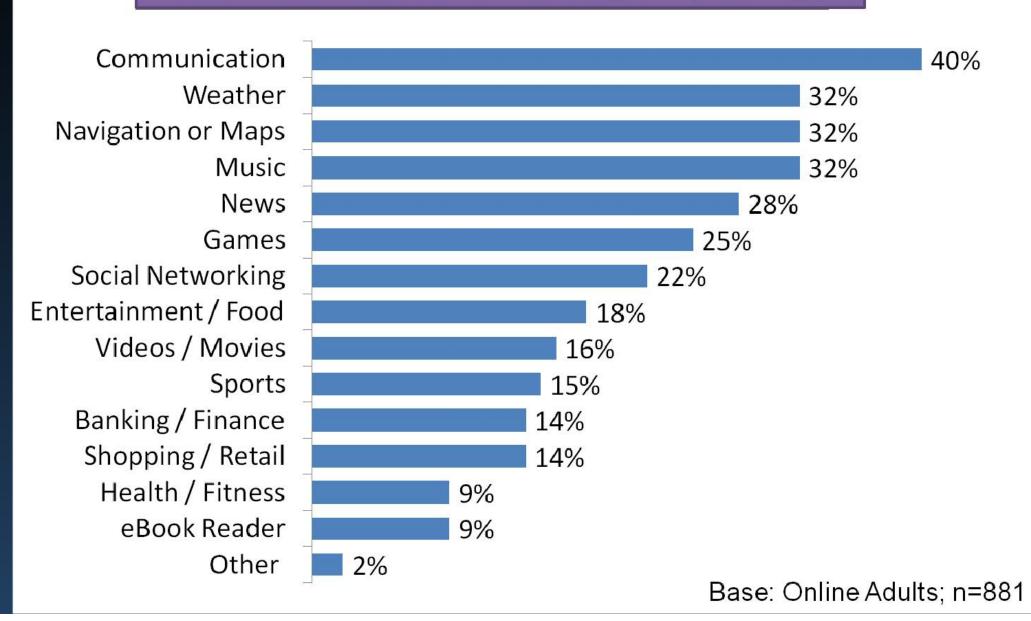


Devices



Mobile Apps Usage Varies Greatly

55% of Mobile Device Owners Say They Use Apps

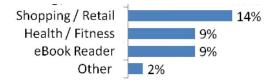


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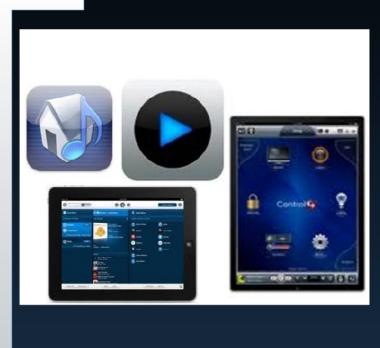
Base: Online Adults; n=881



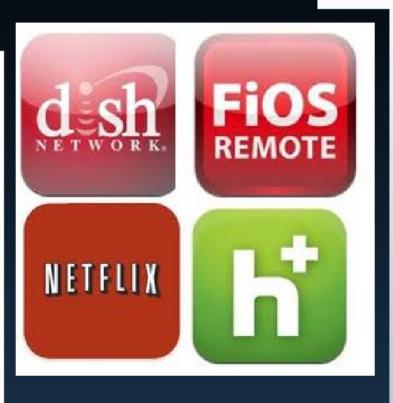
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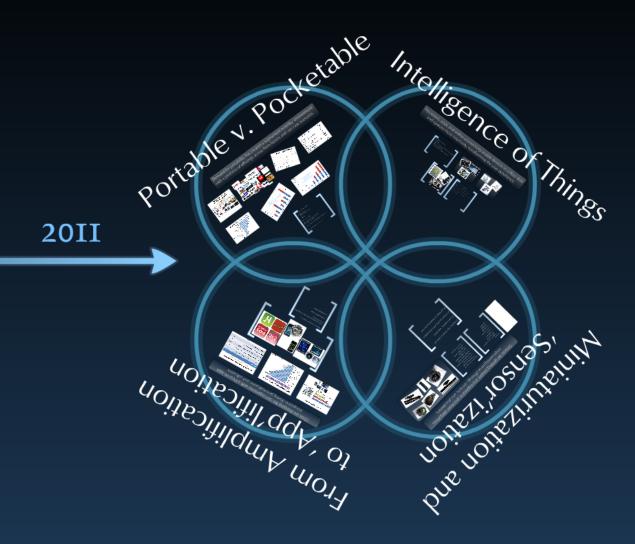


Things to Watch for at 2011 CES

1) Hardware that requires apps and apps that require hardware

Things to Watch for at 2011 CES

- 1) Hardware that requires apps and apps that require hardware
- 2) shifting R&D budgets
- 3) monetization plans



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