

## Wireless HD Video Technologies 2009: WHDI, WirelessHD, 802.11n, and UWB All Test the Waters

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### Report Summary

Wireless high-definition (HD) technologies are the next frontier in consumer electronic (CE) connectivity—replacing the nest of wires in the living room with high-bandwidth wireless technologies capable of transmitting HD video streams. The primary candidate technologies include: wireless home digital interface (WHDI), WirelessHD, 802.11n, and ultrawideband (UWB).

WHDI and WirelessHD are new, uncompressed HD video transmission technologies, each of which is primarily promoted by start-up chip companies. Though each has potential, both face significant market obstacles. 802.11n has the advantage of being a Wi-Fi technology, with a large installed base, but has limited bandwidth, necessitating the use of expensive codec technologies to transmit HD. UWB also uses codecs and is facing difficulties in market adoption, with a number of chip companies shutting their doors over the past year.

This report tracks the annual penetration through 2013 of all four technologies into 17 different applications within the following product segments: CE, PCs, PC peripherals, mobile phones, and industrial/medical applications. It also includes history and analysis of each technology, annual chip average selling price forecasts of each technology, and profiles of major chip players in the market.

### What's in the Report?

- Separate annual penetration forecasts for WHDI, WirelessHD, 802.11n, and UWB in 17 different applications through 2013
- Analysis of each technology and its potential in each application
- Profiles of major silicon vendors in WHDI, WirelessHD, 802.11n, and UWB
- Annual ASP forecasts for WHDI, WirelessHD, 802.11n, and UWB through 2013

### HIGHLIGHTS

- 802.11n-enabled devices will dwarf the combination of the other three technologies, with a market share of 99% of devices shipped in 2010.
- UWB will not be a factor in the CE market, with many chip companies leaving the market in late 2008 and 2009.
- WHDI and WirelessHD will be somewhat slow to get off the ground; there will be less than eight million combined devices shipped in 2013.

For more information or to purchase, see the [report online](#) or call 1.480.483.4441.

**Contacts and Leads**

- Provided directly to sales upon publication of report

**Whose Needs Does This Report Address?**

- Wireless HD chip vendors, as well as chip vendors in Bluetooth, Wi-Fi, NFC, and TransferJet
- PC and CE vendors interested in next-generation wireless chip solutions
- Financial and market analysts covering the semiconductor, PC, and CE markets

**What Questions Does This Report Answer?**

- What is the annual size of the WHDI, WirelessHD, 802.11n, and UWB chip markets through 2013?
- Which applications will adopt WHDI, WirelessHD, 802.11n, and UWB chip technologies?
- What are the average selling prices of WHDI, WirelessHD, 802.11n, and UWB chips through 2013?
- Who are the leading WHDI, WirelessHD, 802.11n, and UWB chip suppliers?

## Table of Contents

Executive Summary.....	1	PC Summary.....	28
Introduction.....	5	PC Peripherals.....	28
WHDI.....	5	LCD PC Monitors.....	28
WirelessHD.....	7	Business Projectors.....	29
802.11n.....	8	Aftermarket Wireless Hubs.....	30
UWB.....	11	Summary.....	30
Competitive Technologies.....	12	Communications.....	31
TransferJet.....	12	Mobile Phones.....	31
Chip ASPs.....	13	Industrial/Medical.....	32
Analysis and Forecasts.....	15	Summary.....	33
Consumer Electronics.....	15	Silicon Competitors.....	36
Stationary CE.....	15	Alereon.....	36
Digital Television.....	15	AMIMON.....	36
Wireless CE Media Hubs/Dongles.....	17	Broadcom.....	37
Set-Top Boxes.....	18	Celeno.....	37
Blue Laser Players and Recorders.....	19	General Atomics.....	38
A/V Receivers.....	19	Pulse~LINK.....	39
Aftermarket CE Hubs and Dongles.....	20	Quantenna.....	39
Portable CE.....	21	Radiospire Networks.....	40
Digital Cameras.....	22	Realtek.....	40
Portable Media Players.....	23	SiBeam.....	41
Summary.....	23	Sigma Designs.....	42
PCs.....	24	Tzero Technologies.....	42
Mobile PC.....	24	Methodology.....	44
Mobile PC Docking Stations.....	25	<a href="#">List of Tables.....</a>	<a href="#">45</a>
Desktop PCs.....	26	<a href="#">List of Figures.....</a>	<a href="#">47</a>
Aftermarket PC Dongles.....	27	Related In-Stat Reports.....	48

## List of Tables

---

Table 1.	A Comparison of Wireless HD Video Technologies .....	5
Table 2.	Wireless HD Video Semiconductor ASP Forecast by Technology Type 2007–2013 (US Dollars).....	14
Table 3.	Wireless HD Video Technologies Penetration of Digital Television Market Forecast 2007–2013 (Units in Thousands).....	17
Table 4.	Wireless HD Video CE Media Hub and Dongle Forecast 2007–2013 (Units in Thousands).....	17
Table 5.	Wireless HD Video Technologies Penetration of Set-Top Box Market Forecast 2007–2013 (Units in Thousands) .....	18
Table 6.	Wireless HD Video Technologies Penetration of Blue Laser DVD Player and Recorder Market Forecast 2007–2013 (Units in Thousands).....	19
Table 7.	Wireless HD Video Technologies Penetration of A/V Receiver Market Forecast 2007–2013 (Units in Thousands) .....	20
Table 8.	Wireless HD Video CE Hub and Dongle Market Forecast 2007–2013 (Units in Thousands).....	21
Table 9.	Wireless HD Video Technologies Penetration of Digital Camera Market Forecast 2007–2013 (Units in Thousands).....	22
Table 10.	Wireless HD Video Technologies Penetration of Portable Media Player Market Forecast 2007–2013 (Units in Thousands).....	23
Table 11.	Summary of Wireless HD Video Technologies in the CE Market by Technology Type Forecast 2007–2013 (Units in Thousands).....	24
Table 12.	Wireless HD Video Technologies Penetration of Mobile PC Market Forecast 2007–2013 (Units in Thousands) .....	25
Table 13.	Wireless HD Video Technologies Penetration of Mobile PC Docking Station Market Forecast 2007–2013 (Units in Thousands).....	26
Table 14.	Wireless HD Video Technologies Penetration of Desktop PC Market Forecast 2007–2013 (Units in Thousands) .....	27
Table 15.	Aftermarket Wireless HD Video Technologies PC Dongle Market Forecast 2007–2013 (Units in Thousands) .....	27
Table 16.	Summary of Wireless HD Video Technologies in the PC Market by Technology Type Forecast 2007–2013 (Units in Thousands).....	28
Table 17.	Wireless HD Video Technologies Penetration of LCD PC Monitor Market Forecast 2007–2013 (Units in Thousands).....	29

Table 18. Wireless HD Video Technologies Penetration of Business Projector Market Forecast 2007–2013 (Units in Thousands)..... 30

Table 19. Wireless HD Video Technologies Aftermarket Hubs Forecast 2007–2013 (Units in Thousands)..... 30

Table 20. Summary of Wireless HD Video Technologies in the PC Peripheral Market by Technology Type Forecast 2007–2013 (Units in Thousands)..... 31

Table 21. Wireless HD Video Technologies Penetration of Mobile Phone Market Forecast 2007–2013 (Units in Thousands)..... 32

Table 22. Summary of Wireless HD Video Technologies in the Industrial/Medical Market by Technology Type Forecast 2007–2013 (Units in Thousands)..... 33

Table 23. Summary of Wireless HD Video Technologies by Technology Type Forecast 2007–2013 (Units in Thousands) ..... 34

Table 24. Summary of Wireless HD Video Technologies by Product Segment Forecast 2007–2013 (Units in Thousands) ..... 35

[Return to Table of Contents](#)

**List of Figures**

---

Figure 1. Wireless HD Video Capability by Product Segment Forecast 2007–2013 Including 802.11n (Units in Thousands) ..... 3

Figure 2. Wireless HD Video Capability by Technology Type ex-802.11n Forecast 2007–2013 (Units in Thousands) ..... 3

Figure 3. Wireless HD Video Semiconductor ASP Forecast by Technology Type 2009–2013 (US Dollars)..... 14

Figure 4. Summary of Wireless HD Video Technologies by Technology Type Forecast 2007–2013 (Units in Thousands) ..... 34

Figure 5. Summary of Wireless HD Video Technologies by Product Segment Forecast 2007–2013 (Units in Thousands) ..... 35

[Return to Table of Contents](#)

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