Wireless HD Video-Enabled Device Shipment Data to be Presented at US FPD

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Wireless high-definition (HD) video technologies are the next frontier in consumer electronic (CE) connectivity, streaming uncompressed 1080p high-definition video across the living room. The category is comprised of three technologies: wireless home digital interface (WHDI), WirelessHD, and Wireless Gigabit (WiGig). Earliest applications for wireless HD video technologies were centered around the CE cluster and were used primarily as HDMI cable replacement. Today it has evolved into the PC cluster connecting mobile PCs to DTVs. Significant future use will likely be for connecting mobile devices to digital televisions (DTVs). New NPD In-Stat (www.in-stat.com) research forecasts that nearly 23 million wireless HD video-enabled devices will ship in 2015.

"While all three technologies will see some type of market adoption over the forecast period, WiGig is likely to be the most popular wireless HD video technology," says Brian O'Rourke, Research Director. "The specification has support from a wide range of technology companies, including silicon vendors, CE device makers, mobile phone vendors, and software companies. In addition, WiGig will be the 60GHz Wi-Fi specification, called 802.11ad."

The report includes the following findings:

- Desktops, standard notebooks, and netbooks are unlikely to adopt the technology over the length of the forecast period, primarily because of the cost.
- WiGig/802.11ad is likely to be big in mobile PC docking solutions, and WirelessHD and WHDI are focusing more on CE-based solutions.
- DTV is the most important market in CE, as wireless mobile PC-to-DTV connections are a key use case for wireless HD videoThe WiGig Alliance has many WLAN silicon vendors among its members, as well as a diverse assortment of major technology companies, including Intel, Microsoft, Panasonic, Samsung, Nokia, and Broadcom.

This Market Alert is drawn from the In-Stat research, Wireless HD Video Technologies: WHDI, WirelessHD, and WiGig Try to Create a Market ***[1]*** (#IN1205134MI), which provides analysis of the three technologies as well as

competing technologies, and annual chip average selling price forecasts for each of the three technologies. It also tracks the annual penetration through 2015 of all three technologies into 12 different applications within the following product segments:

- PCs
- PC peripherals
- CE
- Communications (mobile phones)
- Industrial/medical applications.

This research is part of In-Stat's Multimedia Interface service, which provides comprehensive analysis. It forecasts the worldwide markets for interface technologies and tracks penetration of these technologies into PCs, PC peripherals, consumer electronics, communications, automotive, and industrial applications.

Related In-Stat research:

PC/Display Interface by Device, Q1'12 Forecast [2]

DVI and HDMI: DVI Declines While HDMI Soars [3]

DisplayPort: External DP, eDP, and iDP Impact PC, CE, and Mobile Markets [4]

Wi-Fi Direct: It's All About the Software [5]

More Information on this Research

- **Title:** Wireless HD Video Technologies: WHDI, WirelessHD, and WiGig Try to Create a Market
- **Service:** Multimedia Interfaces [6]
- **Product Number:** IN1205134MI
- **Publication Date:** February 2012
- **Number of Pages:** 58
- **Price:** $3,495 USD
- Abstract, Table of Contents, Figures & Tables **[7]**
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