



CONNECTED WORLD

.TV

THE BUSINESS
OF CONTENT
EVERYWHERE

IN ASSOCIATION WITH



- [Home](#)
- [News](#)
- [Analysis](#)
- [Viewpoint](#)
- [Tech Focus](#)
- [On Screen](#)
- [Awards](#)
- [Events](#)
- [Why Join?](#)

Articles

Online Now



[Lauren Smith](#) is reading an article

[View Profile](#) [Contact](#)

8 days ago



[James Davis](#) is browsing

[View Profile](#) [Contact](#)

9 days ago



[Darren Vogel](#) is reading an article

[View Profile](#) [Contact](#)

12 days ago



[D Map](#) is browsing

[View Profile](#) [Contact](#)
AirTies partners with Quantenna to deliver wireless video through three floors

14 days ago

Published: 1 month ago

Views: 100

Font Size: [a](#) / [A](#)

Video signals blocked by thick walls is a key concern for connected home and so wireless networking and set-top box vendor AirTies is partnering with whole-home entertainment Wi-Fi networking firm Quantenna Communications, to build HD video streaming solutions.

The two companies believe that their combined strength—with Quantenna’s 802.11n 4x4 MIMO chipset combined with AirTies’ MAC-level distribution software enables solutions— are capable of delivering multiple simultaneous HD video streams in the home through as many as three concrete floors.

Quantenna’s silicon combined with AirTies’ video distribution technology is claimed to overcome typical problems traditionally associated with wireless video distribution, such as lost packets, jitter and latency. The chipsets also operate in the 5GHz frequency band to avoid interference, and utilise dynamic digital beam forming along with channel management to regularly scan all available channels for noise, interference and traffic and then select the optimal route for interference-free multi-channel, HD video streaming.

Indeed Quantenna’s silicon is claimed to be able to distribute multiple video streams at 1080p-120, 1080p-60 and 1080i resolution through such thicknesses over long distances. The company’s QHS7xx 4x4 MIMO 802.11n chipset delivers up to 600 Mbps of bandwidth throughout the home, and enhances coverage when connecting to non-4x4 MIMO clients such as iPads or 2x2 and 3x3 MIMO clients that are often found in laptop computers.

The first fruits of the partnership between AirTies and Quantenna are new versions of AirTies’ wireless video access point (AP).

“The biggest challenges in wireless video streaming have always been how to mitigate interference and penetrate concrete walls,” said Metin Taskin, chief technology officer at AirTies. “Through their combined resources, Quantenna and AirTies have successfully overcome these problems. Our tests show a performance level that outstrips anything available in today’s market in terms of quality, range and reliability. We’re hugely optimistic about the potential impact of our combined technology on the wireless home networking marketplace.”

“We are pleased to be collaborating with AirTies on these new APs for broadband home entertainment,” added Lionel Bonnot, vice president of sales and business development at Quantenna. “AirTies has built a strong reputation for optimising 802.11n technology using dual-mode concurrent architectures and other proprietary enhancements, and we are very excited about how well the AirTies platform performs using our 4x4 MIMO chipsets with advanced beam forming and channel-optimisation capabilities.”

Tags: [News](#)

Comments: 0

Rating:

(0)

0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

[Print](#)

Beğen

0

[Sign In](#)

Email Address

....

Sign In

[Forgotten your Password?](#)

[Register](#)

[Quick Search](#)

Enter your search...

Close

What would you like to find?

Please enter some keywords that you'd like to search for. Your results will be displayed below.





- [About ConnectedWorld](#)
- [Terms of use](#)
- [About IBC ConnectedWorld](#)
- [Privacy](#)
- [Partner with ConnectedWorld](#)



© BPL Broadcast Ltd. All Rights Reserved.