

## CAST Adds Multicast and AXI to UDP/IP Core for Streaming Media Systems

**Woodcliff Lake, NJ — February 19, 2013** — Semiconductor intellectual property provider CAST, Inc. has improved its [UDP/IP Hardware Stack IP core](#) with customer-requested features that make it even more effective for processor-less streaming of audio or video over Ethernet.

The User Datagram Protocol (UDP) is a transport layer communications standard within the Internet Protocol suite that is simpler and quicker than Transmission Control Protocol (TCP/IP). This makes it better for video or audio media streaming over the Internet or within a private network; the GigE Vision, ONVIF, and PSIA standards for IP-based cameras, for example, all incorporate UDP.

CAST's hardware UDP stack core handles the millions of instructions per second that a host processor would otherwise spend on UDP framing and checksum validation. The new version supports IP multicast for delivery of a single source's data to multiple receivers using the IGMPv3 standard, and it adds an interface to the AMBA® AXI4 bus for easier integration of UDP in high-performance systems.

"Our UDP stack core is one of the smallest available," said Tony Sousek, an IP development manager at CAST. "Now with IP multicast and AXI4 bus support, the UDPIP partners perfectly with our compression codecs and Ethernet MACs to more efficiently handle streaming media for Internet television and other popular applications."

The improved UDP/IP Hardware Core Stack is available now, alone or integrated with an Ethernet MAC core from CAST, Altera, or Xilinx or with any of CAST's video and image compression cores. Call CAST at +1 201.391.8300 or visit [www.cast-inc.com](http://www.cast-inc.com) for more information.

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