



Digital Blocks
Semiconductor IP

Digital Blocks Extends the DB9000 TFT LCD Controller IP Core Family with Support for Quad Full High Definition (QFHD) LCD Panels

Building on expertise with Full HD 1920x1080 LCD panels, Digital Blocks supports the video / graphics requirements of 3840 x 2160 QFHD LCD panels in customized ASIC, ASSP, and FPGA solutions.

GLEN ROCK, New Jersey, Sept 4, 2012 – Digital Blocks, a leading developer of silicon-proven semiconductor Intellectually Property (IP) soft cores for system-on-chip (SoC) ASIC, ASSP, & FPGA developers with Embedded Processor & Peripherals, Networking, Display Controller, Display Link Layer, 2D Graphics, and Audio / Video processing requirements, today announces the DB9000AXI-QFHD LCD Controller IP Core. The DB9000AXI-QFHD is a synthesizable Verilog IP Core targeting 3840 x 2160 QFHD LCD panels in QFHD-TV, Signage, Gaming, Broadcasting, Aerospace / Defense, Medical, & Industrial applications.

The DB9000AXI-QFHD LCD Controller IP Core contains the following features for QFHD panels:

- A Video Acquisition Engine of up to 17 video / graphics pixel processing streams with alpha blending
- AMBA AXI3 / AXI4 on-chip interconnect for connection to high bandwidth frame buffer memory, with an ARM host processor
- Output Formatter with the capability to drive the requirements of high-bandwidth QFHD panel interfaces
- Interface to LVDS, HDMI, DVI, & DisplayPort Transmitters

Price and Availability

The DB9000AXI-QFHD is available immediately in synthesizable Verilog, along with a simulation test bench with expected results, datasheet, and user manual. For further information, product evaluation, or pricing, please go to Digital Blocks at <http://www.digitalblocks.com>

DB9000 Family of TFT LCD Controllers

The DB9000 family of TFT LCD Controllers supports a variety LCD panel resolutions, color depths, bus interfaces to frame buffer memory and processors. Please consult Digital Blocks web site for a complete listing.

About Digital Blocks

Digital Blocks designs silicon-proven IP cores for technology systems companies, reducing customer's development costs and significantly improving their time-to-volume goals. Digital Blocks is located at 587 Rock Rd, Glen Rock, NJ 07452 (USA). Phone: +1-201-251-1281; eFax: +1-702-552-1905; Media Contact: info@digitalblocks.com; Sales Inquiries: info@digitalblock.com; On the Web at www.digitalblocks.com

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