

# Abstract

This report operated the Quartus II software by in this environment provided in Altera company, written using Verilog Code syntax to fight digital photo album frame applications. Altera DE2-70 development panel is major platform and use this components and peripheral products.

Altera DE2-70 offers free design and application for the user require. The project uses Altera DE2-70 development panel, LTM touch screen, and Quartus II software. Through used to these hardware and software to implement digital photo frame application design.

The hardware is use Quartus II and SOPC that integrate design. And then, Nios II design to run the program and software, includes the design each picture reads and RGB data show pictures. And preparation of related picture play commanded operating. When digital photo album frame running, the touch panel will read the store pictures at the SD card. Then, LTM touch screen can show the picture and run play action of each picture.

With the report can insight into DE2-70 and LTM overall equipment for the operation, familiar with VHDL and Verilog syntax to fight in the integration process. How to discussion to find out the problem with group members. And try to solve the problem. Ultimately do to optimize the

action. As such, the report do end.