DTU Informatik
Institut for Informatik og Matematisk Modellering

VGA Graphics

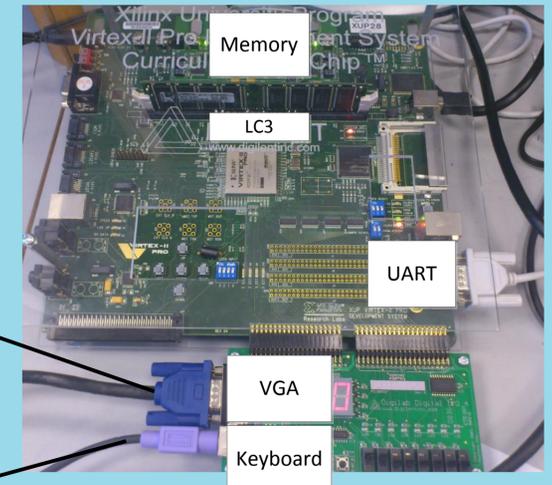# RETRO RUNNER

About the game

In this game you play as a Retro-Runner.
Your mission is to avoid as many dangerous birds and turtles as you can, but be careful, in Retro-Runners world birds fly low, and turtles are sneaky and they want you to stumble.
You have to jump and slide to avoid them. Retro-Runner has just 1 life...

Project description

Develop a computer, and develop a game that can run on it.

The game is implemented on an LC3-computer(16-bit) that we have designed on the FPGA-board. The computer is specially designed to this project, therefore parts of the computer will be unique to the terms of this project.

Memory
LC3
UART
VGA
Keyboard

Features

- Full animated graphics
- Increasingly difficulties
- 16-bit computer

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