

Conception d'une chaîne de vision embarquée sur une plateforme FPGA

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Abstract: Our work consisted of a strategic development for the design and implementation of an embedded vision chain with the use of a smart camera. The implementation of our vision chain for the acquisition of video data is essentially based on the EMBV Python1300C embedded vision kit. The implementation of a reconfigurable architecture is based on the exploitation of a Xilinx Zynq 7020 FPGA SoC

Keywords : embedded vision chain, EMBV Python1300C, FPGA, ZYNQ-7000