

Applicable Technologies	Requirements	Contact
Xilinx® Kria™ KV260 Vision AI Starter Kit Xilinx® Kria™ System on Module	Familiar with the C/C++ programming language	Michael Schwarz P. +49 7664 91313-15 E. info@plc2.de
Fee (net per person)	Inclusive	Duration
ES € 1,900	Xilinx® evaluation board with example solutions Training material Beverages during breaks Lunch	2 days

Workshop

This course is your kick-off to work with the Xilinx® Kria™ System on Module (SoM). It enables you to accelerate vision-based applications using the KV260 Starter Kit right out of the box without any FPGA knowledge. You will get an overview of the workflow using Xilinx® Vitis™ and PetaLinux tools.

Performance-optimized accelerated libraries offer out-of-the-box-acceleration for workloads of vision and image processing. Due to accompanying exercises, the course offers in-depth and practice-oriented training.

The course also provides information on how you can build your own hardware and software components from the scratch, customize an AI model, and perform benchmarking.

Agenda

- 01. AMD Xilinx® SoM overview
- 02. AMD Xilinx® Zynq® MPSoC architecture
- 03. Introduction to Vitis™ video analytics SDK
- 04. Accelerating applications with the KV260 Vision AI Starter Kit
- 05. Building the hardware and software design components
- 06. Driving the PetaLinux flow
- 07. Customizing the AI models
- 08. Kria™ SoM carrier card design guide
- 09. AMD Xilinx® Vitis™ acceleration libraries