

S32V234EVB: S32V Vision and Sensor Fusion Evaluation Board

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Overview

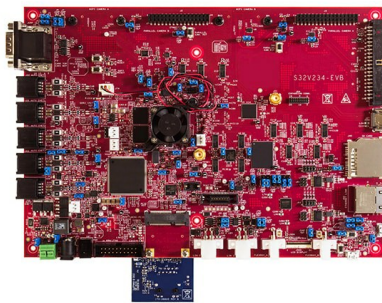
The NXP S32V234-EVB is an evaluation system and development platform supporting S32V230 family. This family of products are designed for high-performance, safe computation-intensive applications such as automotive front vision, surround vision and sensor fusion. There are two EVB options available - one with or without a built-in display. There are also expansion card options supporting camera sensor modules.

Features

- Video input (VIU connectors)
- 2 x MIPI-CSI2
- Video Output (RGB to LVDS converter)
- RGB to HDMI converter)
- Gigabit Ethernet
- 2GiB DDR Memory plus SD card slot for NVM
- 1x PCIE 2.0
- Various other communication and General IO connectors
- Accelerometer and magnetometer plus gyroscope

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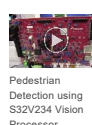
S32V234 Block Diagram



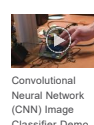
S32V234 Block Diagram



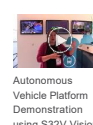
On-demand Training: Vision Applications with NXP S32V234 Processor



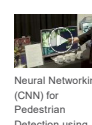
Pedestrian Detection using S32V234 Vision Processor



Convolutional Neural Network (CNN) Image Classifier Demo



Autonomous Vehicle Platform Demonstration using S32V Vision Processor



Neural Network (CNN) for Pedestrian Detection using S32V Vision Processor

Kit Contains

- S32V234-EVB
- 12V Power adapter for EVB
- 2x10-pin to 2x5-pin adapter for JTAG

Target Applications

Automotive

[Front View Camera](#)
[Surround View & Sense Park Assist System](#)

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