Overview   Product Details   Documentation   Design Resources ⓘ   Support   BUY OPTIONS

RPI-CAM-MIPI

RPI-CAM-MIPI   Receive alerts ⓘ

RPI-CAM-MIPI

(//www.nxp.com)

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The RPi-CAM-MIPI accessory board is a MIPI-CSI camera module adapter, AR0144 CMOS image sensor with ONSEMI IAS interface by default, which features 1/4-inch 1.0 Mp with an active-pixel array of 1280H x 800V. The bypassable on-board ISP chip allows it to be used with a wide range of SoCs. This accessory board connects to the EVK board through the 22P/0.5mm Pitch FPC cable.

DESIGN FILES

Product Details

Supported Devices │ Features

Supported Devices

Processors and Microcontrollers

i.MX 9 Processors

- **i.MX93** (/products/processors-and-microcontrollers/arm-processors/i-mx-applications-processors/i-mx-9-processors/i-mx-93-applications-processor-family-arm-cortex-a55-ml-acceleration-power-efficient-mpu:i.MX93)**:** i.MX 93 Applications Processor Family – Arm® Cortex®-A55, ML Acceleration, Power Efficient MPU

Features

AR0144CS 1/4-inch 1.0 Mp CMOS Digital Image Sensor

- Active Pixels: 1280 (H) × 800 (V)
- Shutter Type: Global Shutter
- Output: MIPI, 1-lane or 2-lane / Parallel 12-bit
- Frame Rate: 720p60
- Operating Temperature: −40ºC to + 85ºC (Ambient) / −40ºC to + 105ºC (Junction)

RPI-CAM-MIPI Board

- 22-pin / 0.5mm FPC/FFC connector interface to motherboard
- Pin definition compatible with Raspberry PI Camera interface
- ONSEMI IAS 34-pin board to board connector for image sensor
- Bypassable external ISP ONSEMI AP1302 support

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