



# High-Resolution 4K CMOS Camera Module

## EXPI-OS08A20

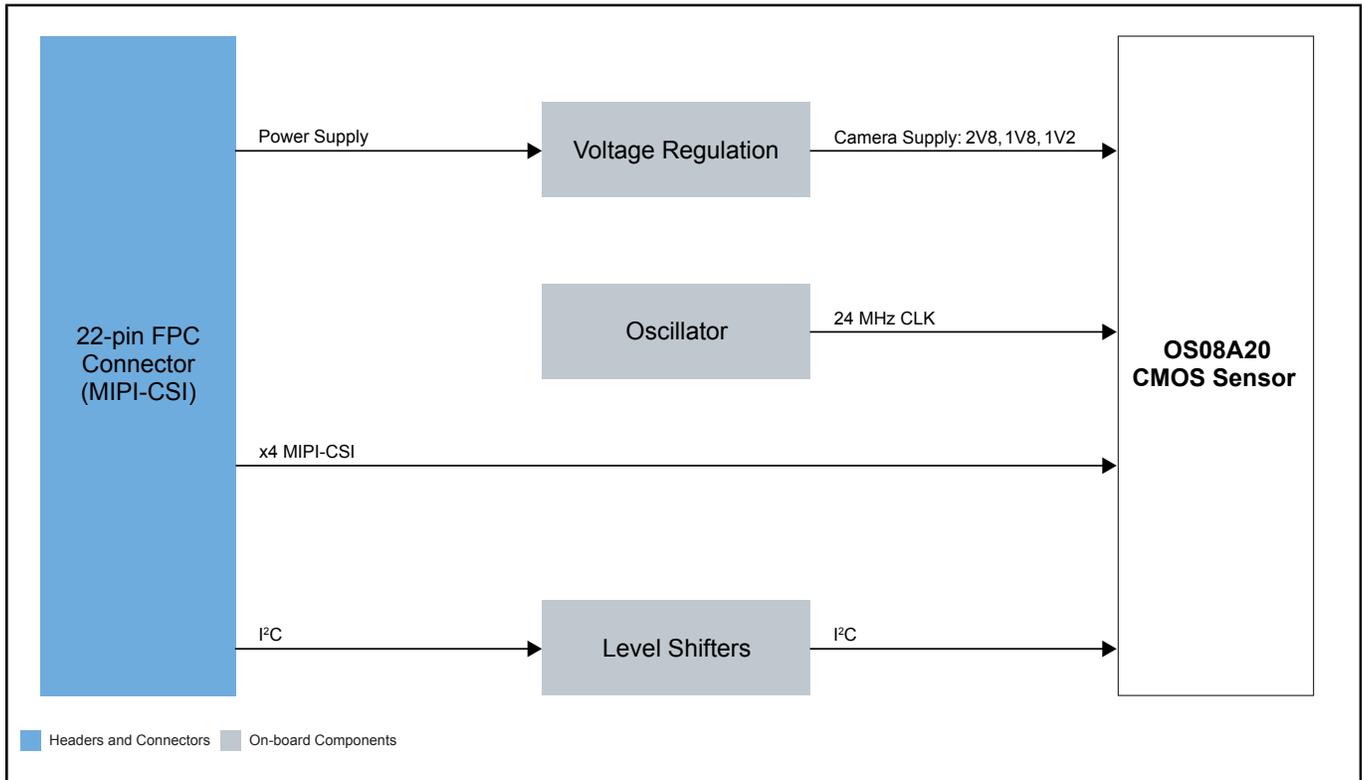
**Active**

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The EXPI-OS08A20 is a high-resolution 4K complementary metal-oxide-semiconductor (CMOS) camera module featuring superior image quality for consumer applications. It integrates the OmniVision OS08A20—a high-performance, 1/2-inch, 8-megapixel (8MP) complementary metal-oxide-semiconductor CMOS image sensor capable of delivering 3840×2160 resolution at 30 frames per second (FPS). This module includes an optic lens and an 8MP image sensor board with an flexible printed circuit (FPC) 22-pin connector.

This module supports full-frame and windowed 10/12-bit mobile industry processor interface (MIPI) output in various formats, making it highly versatile for various imaging use cases. This capability is supported by the FRDM series board, which has an internal image signal processing (ISP), making it ideal for vision-based applications. NXP has provided demo code for utilizing the camera sensor, allowing easy integration for applications for the camera.

## EXPI-OS08A20 Block Diagram



View additional information for [High-Resolution 4K CMOS Camera Module](#).

**Note:** The information on this document is subject to change without notice.

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