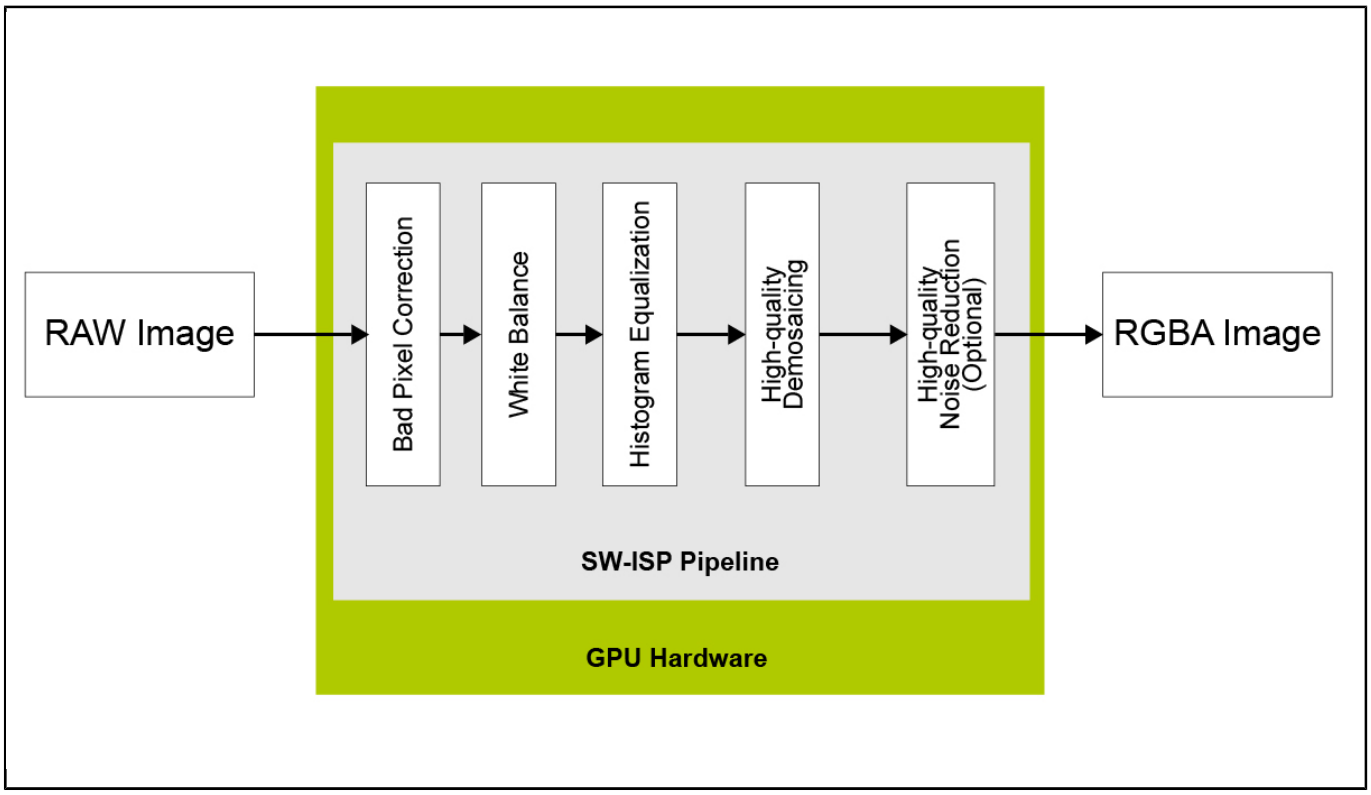
i.MX8 Software Image Signal Processing

SOFTISP-I.MX8

Last Updated: Dec 23, 2025

The software image signal processing (SoftISP) includes five functions that are executed on the GPU of the NXP® i.MX 8 family device: bad pixel correction, white balance, histogram equalization, high-quality demosaicing and high-quality noise reduction. This pipelined image-processing engine, designed to take in high-speed video streams, is optimized for the on-chip GPU using two computing standards, OpenCL™ 1.2, and OpenVX™ 1.1.

Software Image Signal Block Diagram



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