



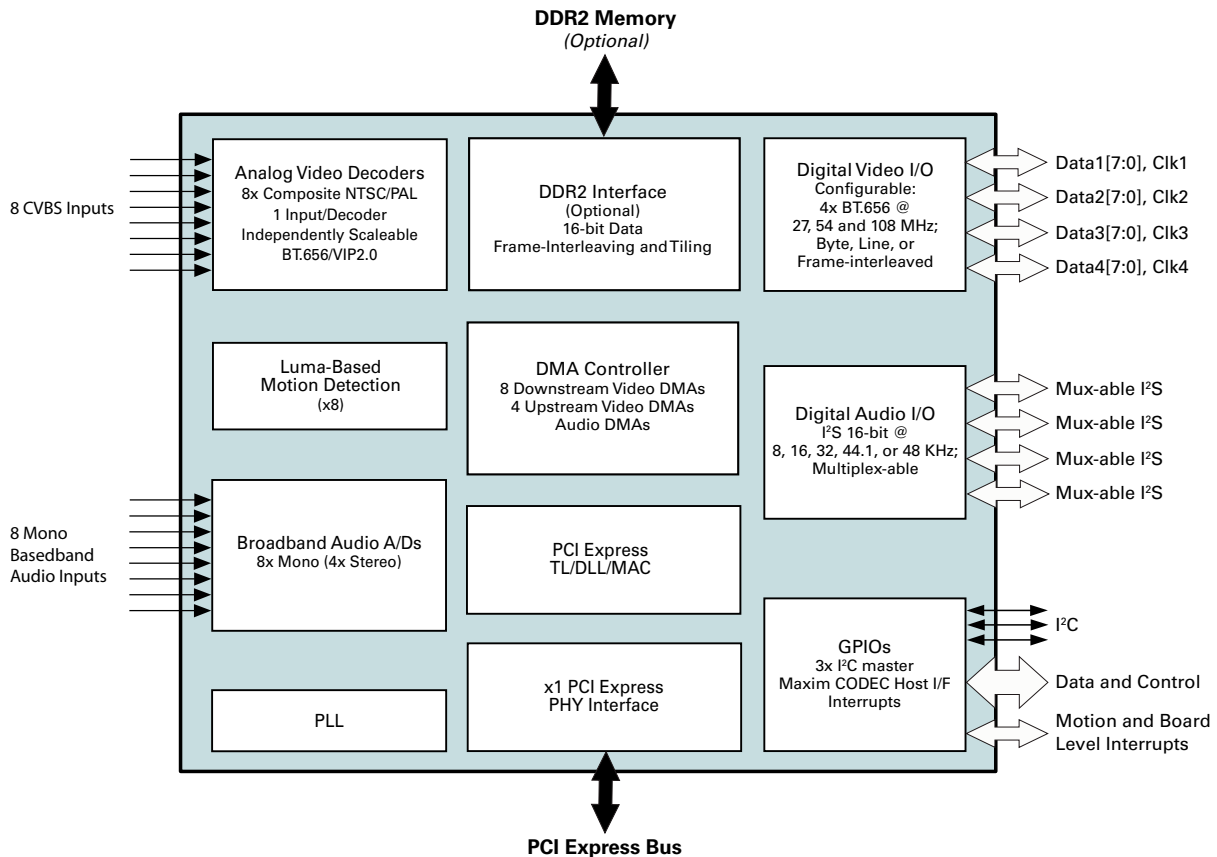
Additional Features

There are two variants of the CX25858 offered — one with the external DDR2 interface, and one without the interface. When equipped with DDR2, the CX25858 supports frame-interleaved video outputs, as well as a 2x2 CIF tiling mode, in which four CIF images are tiled into a single D1 stream.

The CX25858 may be cascaded with the CX25838 to create a 16-channel system for sending video and audio data over PCIe.

The CX25858 includes programmable motion detection logic, which can trigger flags or PCIe interrupts when motion is detected on incoming analog video streams.

The CX25858 contains 48 GPIO pins, which maximize flexibility and allow customization to a variety of applications and designs. I²C interfaces and the Maxim interface are supported via GPIOs.



CX25858 Block Diagram

The CX25858-1x (contains DDR2 interface) is offered in a 23mm x 23mm, 288 pin fpBGA package.

The CX25858-2x (no DDR2 interface) is offered in a 14mm X 14mm, 233 pin fpBGA package.

Conexant Product Portfolio

Conexant’s comprehensive product portfolio includes solutions for imaging, audio, video, and embedded-modem applications.

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