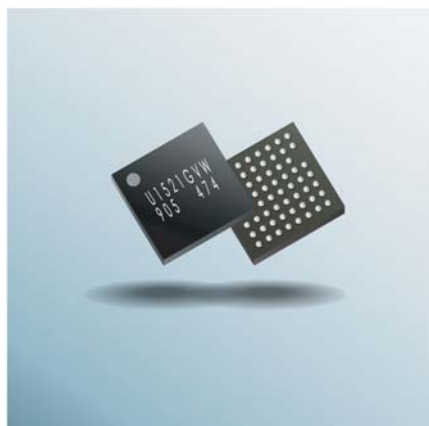


Video Upconverter IC for Portables (SD → HD)

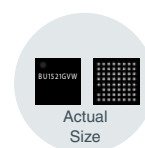
BU1521GVW



The industry's smallest high resolution upconverter IC

Product outline

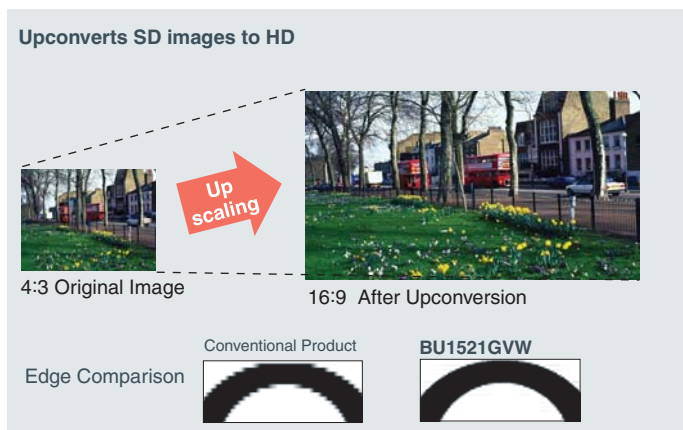
The BU1521GVW upscaler IC converts standard digital TV video signals (NTSC / PAL) to 1080p (1920x1080) HDTV. Proprietary algorithms ensure the highest video quality without using frame memory. Available in the smallest form factor in the market.



SBGA063W060
(6x6mm, t=0.9mm)

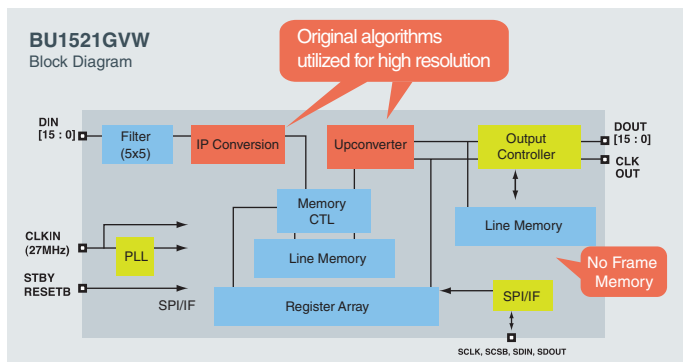
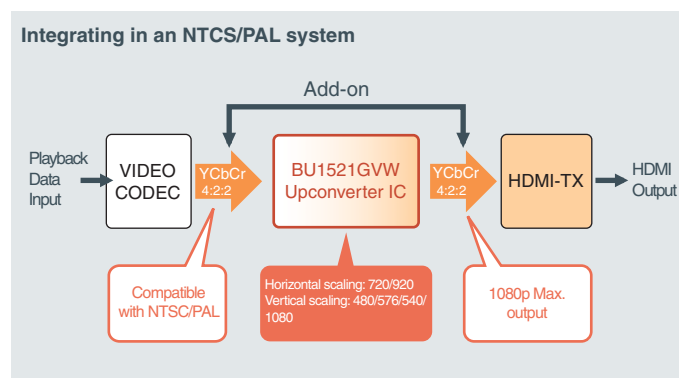
Original technology eliminates jagged edges

Original algorithms utilized for high resolution without frame memory. An internal filter smooths out jagged edges for more natural, truer images.



Easily integrate into existing SD systems

The BU1521GVW makes it easy to add 1080p HD functionality to existing SD systems without circuit modifications.



- IP conversion function
- Integrated upconverter
- Built-in filter: 5x5 operation (filter coefficient set at register)
- Register access via SPI interface (3-line serial)
- Internal PLL (Input frequency: 27MHz)
- Output frequencies: 27MHz, 74MHz, 74.175824MHz, 148.5MHz, 148.351648MHz

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The content specified in this document is correct as of 10th February, 2009.

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