

ADV611/ADV612

WAVELET-BASED CCTV SYSTEM ON A CHIP



Typical Highly Compressed Video Frame

(720 × 486 @ 16 bits per pixel: compressed to 2.8KB)



Compressed Video Frame with QualityBox

(720 × 486 @ 16 bits per pixel: compressed to 2.8KB)



Compressed Video Frame with QualityBox

(720 × 486 @ 16 bits per pixel: compressed to 2.8KB)

ADV611

0°C to +70°C

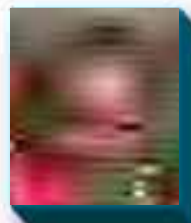


ADV612

-25°C to +85°C

QualityBox

Define and control the location and size of a high quality box within the video frame from a remote monitoring site.



Face blown up
without QualityBox



Face blown up
using QualityBox

Motion Detection

Enable and control the location and varying sensitivity level of motion detection within a video sequence from a remote monitoring site.

Compression

The ADV611/612 can take an uncompressed video signal (27 Mbytes/sec.) and compress through a broad range from a visually loss less 4:1 all the way to 7500:1. The images to the left could be sent over a 56 kbps modem at greater than 1 frame per second.

Edge Enhancement and Detection

Since the ADV611/612 use wavelet compression, edges in the image can be enhanced during compression. Furthermore, edges can be easily located within the compressed video field.

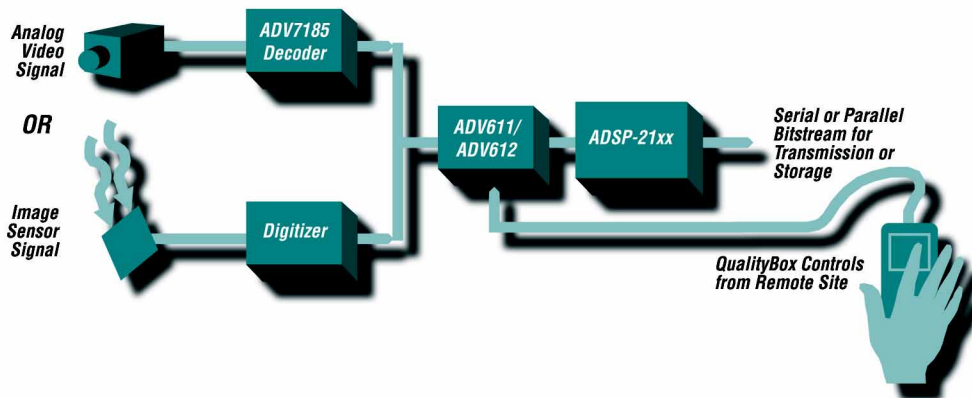
Extended Temperature Range

The ADV611 is for commercial applications, while the ADV612 is for extended temperature range industrial applications.



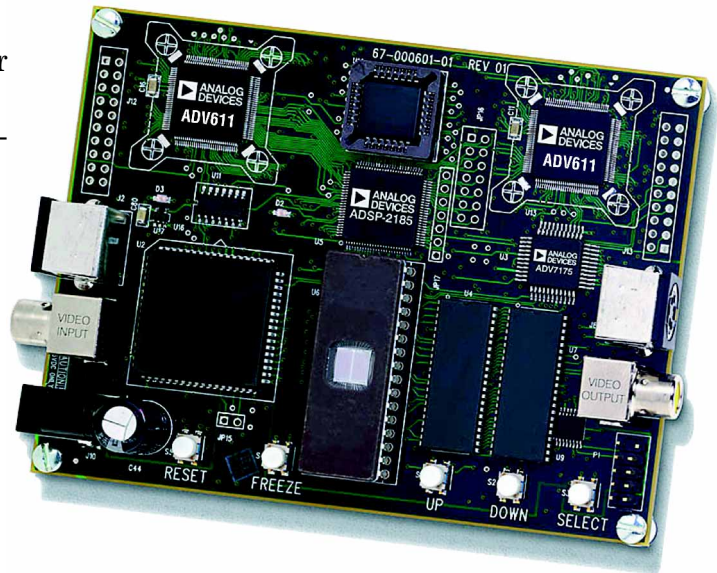
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Typical Application



CCTVpipe Evaluation Board

There is a low cost stand-alone evaluation board for the ADV611 called the CCTVpipe. The CCTVpipe provides a fast, simple and low cost means of evaluating the performance and key feature of the ADV611. The CCTVpipe is available through all authorized Analog Devices sales channels.



<http://www.analog.com>

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