



Burr-Brown Products  
from Texas Instruments

VSP3200  
VSP3210



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## CCD SIGNAL PROCESSOR FOR SCANNER APPLICATIONS

### FEATURES

- INTEGRATED TRIPLE-CORRELATED DOUBLE SAMPLER
- OPERATION MODE SELECTABLE:  
1-Channel, 3-Channel CCD Mode, 8Msps
- PROGRAMMABLE GAIN AMPLIFIER:  
0dB to +13dB
- SELECTABLE OUTPUT MODES:  
Normal/Demultiplexed
- OFFSET CONTROL RANGE:  $\pm 500\text{mV}$
- +3V, +5V Digital Output
- LOW POWER: 300mW (typ)
- LQFP-48 SURFACE-MOUNT PACKAGE

### DESCRIPTION

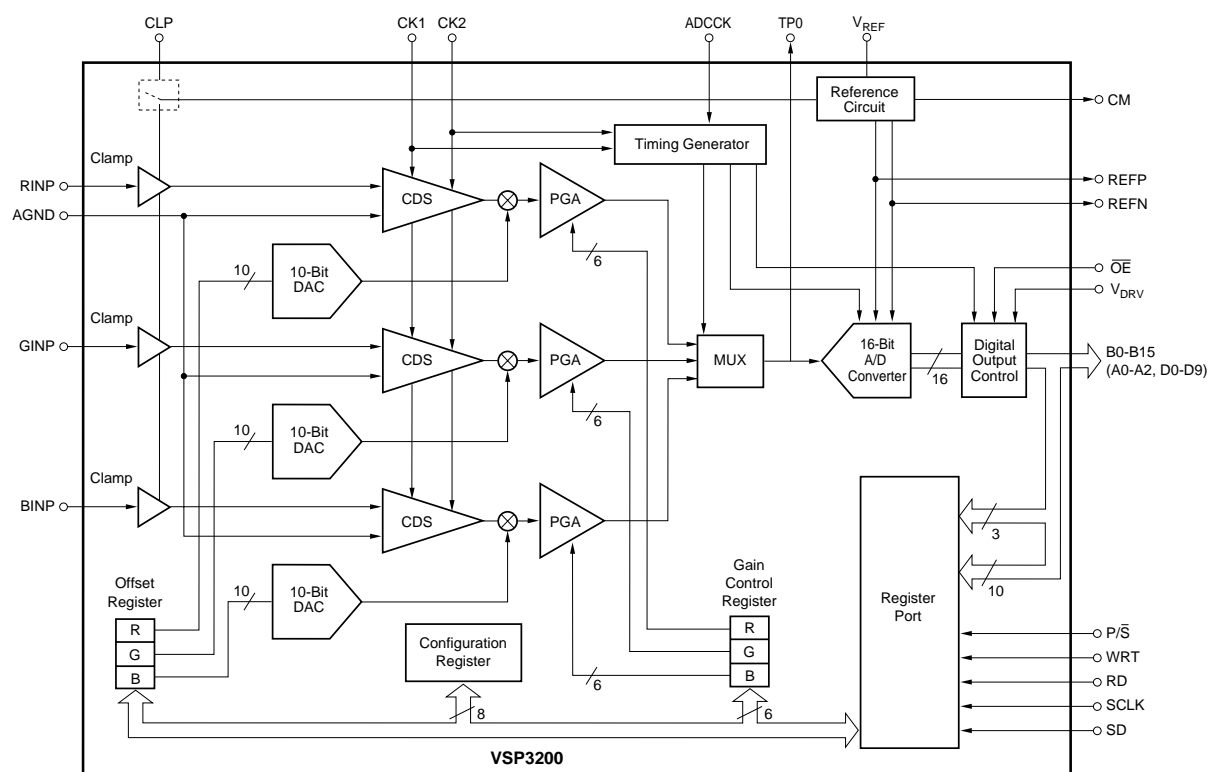
The VSP3200 and VSP3210 are complete CCD image processors that operate from single +5V supplies.

This complete image processor includes three Correlated Double Samplers (CDSs) and Programmable Gain Amplifiers (PGAs) to process CCD signals.

The VSP3200 is interface compatible with the VSP3210, which is a 16-bit, one-chip product.

The VSP3210 is pin-to-pin compatible with VSP3100, when in demultiplexed output mode.

The VSP3200 and VSP3210 can be operated from  $0^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ , and are available in LQFP-48 packages.



TEXAS  
INSTRUMENTS

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