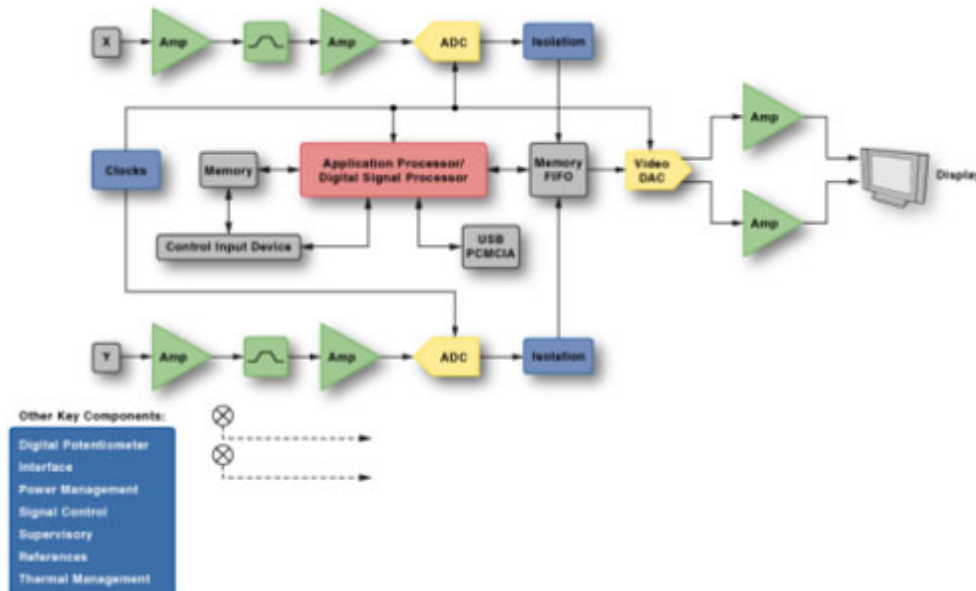


ADI数字存储示波器解决方案



Digitizing oscilloscope inputs capture very wide bandwidths of information and therefore require very high-speed ADCs for digitization, amplification, and processing. Often times, analysis of DC components is also preformed. DACs convert these processed signals for display. Clock sources that maintain converter accuracy and are synchronized between devices are also required. Analog Devices has all the key components for your next generation design.

Application Notes

AN-835: Understanding High Speed ADC Testing and Evaluation (pdf, 1,358,339 bytes)

AN-803: Pin Compatible High Speed ADCs Simplify Design Tasks (pdf, 365,050 bytes)

AN-793: ESD/Latch-Up Considerations with iCoupler[®]; Isolation Products (pdf, 252,700 bytes)

AN-756: Sampled Systems and the Effects of Clock Phase Noise and Jitter (pdf, 298,702 bytes)

AN-742: Frequency Domain Response of Switched-Capacitor ADCs (pdf, 329,461 bytes)

AN-741: Little Known Characteristics of Phase Noise (pdf, 1,719,696 bytes)

AN-737: How ADIsimADC[®] Models an ADC (pdf, 291,797 bytes)

AN-715: A First Approach to IBIS Models: What They Are and How They Are Generated (pdf, 379,082 bytes)

AN-501: Aperture Uncertainty and ADC System Performance (pdf, 233,126 bytes)

A Key Concern in IF Sampling is that of Aperture Uncertainty (Jitter)

AN-417: Fast Rail-to-Rail Operational Amplifiers Ease Design Constraints in Low Voltage High Speed Systems (pdf, 234,127 bytes)

Movement towards lower power supply voltages is driven by the demand that systems consume less and less power coupled with the desire to reduce the number of power supply voltages in the system. The following applications are discussed: Single-Ended and Differential Input ADC Input Circuits, Video Line Driver, Active Filter, HDSL Transceiver, and Transformer Drive Circuits.

AN-410: Overcoming Converter Nonlinearities with Dither (pdf, 117,930 bytes)

AN-257: Careful Design Tames High Speed Op Amps (pdf, 626,042 bytes)

AN-108: JFET-Input Amps are Unrivaled for Speed and Accuracy (pdf, 511,291 bytes)

AN-726: Triple-Supply Power-Good Indication with the ADM108x (pdf, 77,150 bytes)

1 Amp

(1) Operational Amplifiers: High-Speed Dual-Supply Op Amp

AD825

AD817

AD826

(2) Operational Amplifiers: High-Speed Low-Power Op Amp

AD8022

AD8029

AD8030

(3) Operational Amplifiers: Precision Dual-Supply Op Amp

OP183

OP113

AD820

(4) Instrumentation Amplifiers

AD522

AD524

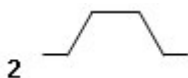
AD526

(5) Differential Amplifiers

AD8128

AD8129

AD8130



Operational Amplifiers: High-Speed Dual-Supply Op Amp

AD825

AD817
AD826
3 Amp
(1) Operational Amplifiers: High-Speed Dual-Supply Op Amp
AD825
AD817
AD826
(2) Operational Amplifiers: High-Speed Low-Power Op Amp
AD8022
AD8029
AD8030
(3) Operational Amplifiers: Precision Dual-Supply Op Amp
OP183
OP113
AD820
(4) Differential Amplifiers
AD8128
AD8129
AD8130
4 ADC
(1) A/D Converters: Bipolar-Input A/D
AD7898
AD7658
AD7366
(2) A/D Converters: 12-14 bit Single-Supply A/D
AD7940
AD7942
AD7920
(3) A/D Converters: High-Speed Low-Power A/D
AD9220
AD9224
AD9432-105
(4) A/D Converters: High-Speed Baseband A/D
AD12401
AD9430-170
AD9432-105
5 Isolation
ADUM1100
ADUM1200
ADUM1201
6 Application Processor / Digital Signal Processor
ADSP-21261
ADSP-21262
ADSP-21362

7 Video DAC

ADV7123

ADV7125

ADV7125

8 Amp

AD8010

AD8047

AD8048

9 Clocks

(1) Direct Digital Synthesizers

AD9831

AD9832

AD9833

(2) Clock Distribution ICs

AD9510

AD9511

AD9512