

AFE Video 2 ADC 14bit 1.8V 40-Pin LFCSP EP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	QFN
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

Each analog front end includes black level clamping, a CDS, a VGA, and a 65 MHz, 14-bit ADC. Operation is programmed using a 3-wire serial interface. Packaged in a space-saving, 6 mm × 6 mm, 40-lead LFCSP, the AD9978 is specified over an operating temperature range of -25°C to +85°C.

Key Features

- Dual AFE channels
- 1.8 V analog and digital core supply voltage
- Serial data output with reduced range LVDS outputs
- Differential analog inputs
- CDS or SHA configuration (CDS bypass) with -3 dB, 0 dB, +3 dB, and +6 dB gain
- 6 dB to 42 dB, 10-bit variable gain amplifier (VGA)
- 14-bit, 65 MHz analog-to-digital converter (ADC)
- Black level clamp with variable level control
- Precision Timing core with 240 ps resolution @ 65 MHz

Application

- Digital video cameras
- Digital still cameras
- Digital copiers
- Multifunction printers
- High speed industrial cameras
- Data Sheet, Rev. SpB, 9/08



Recommended For You

AD7305BRZ

Analog Devices, Inc

SOP20

AD9910BSVZ

Analog Devices, Inc

TQFP100

AD9831ASTZ

Analog Devices, Inc

QFP

AD5447YRUZ

Analog Devices, Inc

TSSOP

AD5302BRMZ

Analog Devices, Inc

MSOP10

AD5531BRUZ

Analog Devices, Inc

TSSOP16

AD537JH

Analog Devices, Inc

CAN10

AD652AQ

Analog Devices, Inc

DIP

AD654JN

Analog Devices, Inc

DIP8

AD7740YRMZ

Analog Devices, Inc

MSOP8

AD9914BCPZ

Analog Devices, Inc

LFCSP

AD73311ARSZ

Analog Devices, Inc

SSOP20

AD7291BCPZ

Analog Devices, Inc

LFCSP20

AD9954YSVZ

Analog Devices, Inc

QFP

AD2S1205YSTZ

Analog Devices, Inc

LQFP44