Video Decoder 4 ADC 12bit 100-Pin LQFP Tray

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-100
Product Type	Interface - CODECs
RoHS	Pb-free Halide free
Lifecycle	
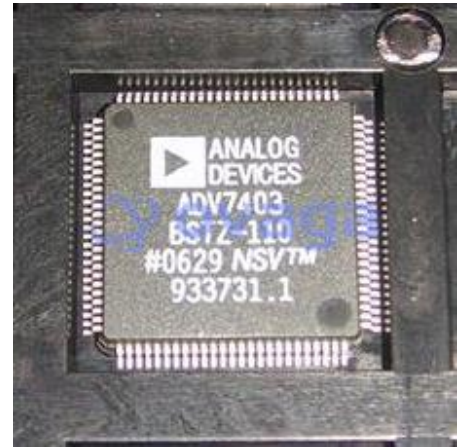
Images are for reference only

Please submit RFQ for ADV7403BSTZ-110 or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The ADV7403 is a high quality, single chip, multiformat video decoder and graphics digitizer. This multiformat decoder supports the conversion of PAL, NTSC, and SECAM standards in the form of composite or S-video into a digital ITU-R BT.656 format. The ADV7403 also supports the decoding of a component RGB/YPrPb video signal into a digital YCrCb or RGB pixel output stream. The support for component video includes standards such as 525i, 625i, 525p, 625p, 720p, 1080i, 1250i, and many other HD and SMPTE standards. Graphic digitization is also supported by the ADV7403; it is capable of digitizing RGB graphics signals from VGA to SXGA rates and converting them into a digital RGB or YCrCb pixel output stream. SCART and overlay functionality are enabled by the ADV7403's ability to simultaneously process CVBS and standard definition RGB signals. The mixing of these signals is controlled by the fast blank pin.

Applications
LCD/DLP™ rear projection HDTVs

PDP HDTVs

CRT HDTVs

LCD/DLP front projectors

LCD TV (HDTV ready)

HDTV STBs with PVR

AV-Receivers

Multiformat scan converters

DVD recorders with progressive scan input support

Features

Four 12-bit Noise Shaped Video ADCs sampling up to 140 MHz

12 analog input channel mux & SCART fast blank support

Internal Anti-Alias Filters

NTSC/PAL/SECAM color standards support

525p-/625p-component progressive scan support

720p-/1080i-component HDTV support

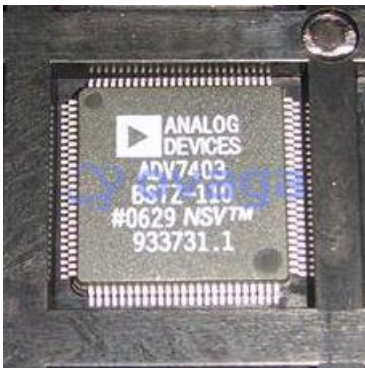Digitizes RGB graphics up to 1280×1024 @ 75 Hz (SXGA)

24-bit digital input port supports data from DVI/HDMI Rx IC

Any-to-any, 3×3 color-space conversion matrix

Industrial temperature range ($-40°C$ to $+85°C$)

12-bit 4:4:4/8-bit 4:2:2 DDR pixel output interface

VBI data slicer (including TeleText)

Application

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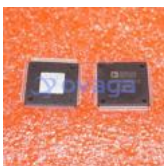LCD/DLP front projectors

LCD TV (HDTV ready)

HDTV STBs with PVR

AV-Receivers

Multiformat scan converters

DVD recorders with progressive scan input support

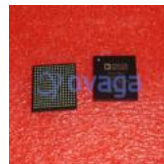## Related Products

ADV7630KSVZ

Analog Devices, Inc

TQFP128

ADV7511WBSWZ

Analog Devices, Inc

LQFP-100

ADV7511KSTZ-P

Analog Devices, Inc

LQFP-100

ADV7842KBCZ-5

Analog Devices, Inc

CSPBGA-256

Ovaga Technologies Limited

Email: sales@ovaga.com

ADV7180BSTZ

Analog Devices, Inc

LQFP-64

ADV7181BBSTZ

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LQFP64

ADV7180BCPZ

Analog Devices, Inc

QFN-40

ADV7401KSTZ-140

Analog Devices, Inc

LQFP-100