
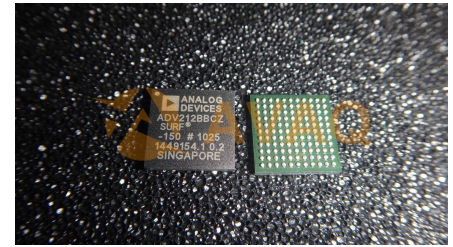


Video CODEC 144-Pin CSP-BGA Tray

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	BGA
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The ADV212 is a single-chip JPEG2000 codec targeted for video and high bandwidth image compression applications that can benefit from the enhanced quality and features provided by the JPEG2000 (J2K) ISO/IEC15444-1 image compression standard. The part implements the computationally intensive operations of the JPEG2000 image compression standard and provides fully compliant code-stream generation for most applications.

The dedicated video port of the ADV212 provides glueless connection to common digital video standards such as ITU-R BT.656, SMPTE 125M, SMPTE 293M (525p), ITU-R BT.1358 (625p), SMPTE 274M (1080i), or SMPTE 296M (720p). A variety of other high speed, synchronous pixel and video formats can also be supported by using the programmable framing and validation signals.

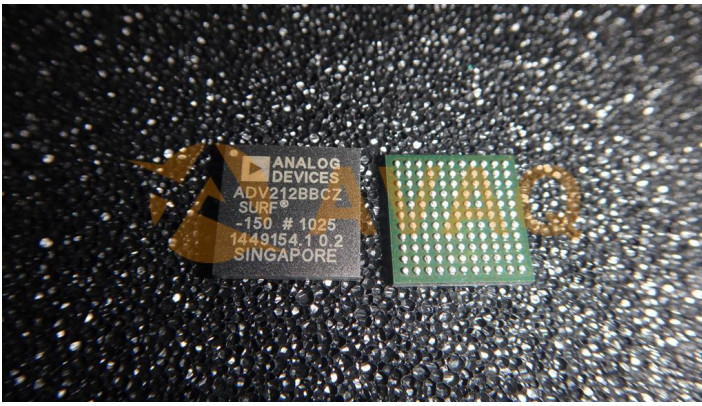
The ADV212 is an upgrade version of the ADV202 that is identical in pinout and footprint. It supports all the functionality of the ADV202 and has the following additional options: JTAG/boundary scan support and power reduction of at least 30% compared with the ADV202.

Key Features

- Complete single-chip JPEG 2000 compression and decompression solution for video and still images
- Identical in pinout and footprint to the ADV202 and supports all the functionality of the ADV202
- Power reduction of at least 30% compared with ADV202
- JTAG/boundary scan support
- Supports both 9/7 and 5/3 wavelet transforms with up to 6 levels of transform

Application

- Networked video and image distribution systems
- Wireless video and image distribution
- Image archival/retrieval
- Digital CCTV and surveillance systems
- Digital cinema systems
- Professional video editing and recording
- Digital still cameras
- Digital camcorders



Recommended For You

ADMB490EARZ

Analog Devices, Inc
SOP-8

ADuMB160BRWZ-RL

Analog Devices, Inc
SOP16

ADMB232EARUZ

Analog Devices, Inc
TSSOP-16

ADuM5211ARSZ

Analog Devices, Inc
SSOP20

ADuMI201BRZ-RL7

Analog Devices, Inc
SOP8

ADV7623BSTZ

Analog Devices, Inc
LQFP144

ADuMI410BRWZ

Analog Devices, Inc
SOP16

AD698APZ

Analog Devices, Inc
PLCC28

ADMB251EARWZ

Analog Devices, Inc
SOP20

ADM485ANZ

Analog Devices, Inc
DIP

ADuM6400ARWZ

Analog Devices, Inc
SOP16

ADuMI281BRZ

Analog Devices, Inc
SOP8

ADUMI42E0BRZ

Analog Devices, Inc
SOP-16

ADuMI412BRWZ

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