

ARC® Video Subsystem H.264 Decoder Bookshelf

H.264 Decoder Documentation

About the H.264 Decoder

The H.264 Decoder, part of the ARC Video Subsystem Codecs, provides good video quality at bit rates that are substantially lower than those needed by the MPEG-2 MP@ML, MPEG-4 SP, and MPEG-4 ASP standards.

What's in the H.264 Decoder Bookshelf?

The following H.264 Decoder documentation is available:

[Document Information](#)

Documentation notice. A number of trademarks are also listed.

[Full-Text Search](#)

How to search the online documentation.

[Technical Support](#)

Information on contacting ARC® International technical support.

[H.264 Decoder Release Notes](#)

Contains a summary of the release and the changes since last release including the supported platforms, what's new/changed and fixed issues. Information on how to access the latest known issues is also provided.

[H.264 Decoder Getting Started](#)

Contains a summary on using the product with the ARChitect and MetaWare tools.

[ARC Video Subsystem Codecs API Reference](#)

Describes the C Application Program Interface (API) for the ARC Video Subsystem Codecs implementation on the ARC 700 processor with the ARC Media Extensions.

Document Information

Company Details

ARC® International

European Headquarters
ARC International,
Verulam Point,
Station Way,
St Albans, Herts, AL1 5HE, UK
Tel. +44 (0) 1727 891400
Fax. +44 (0) 1727 891401

North American Headquarters
3590 N. First Street, Suite 200
San Jose, CA 95134 USA
Tel. +1 408.437.3400
Fax +1 408.437.3401

www.arc.com

Copyright

ARC Confidential Information

© 2005-2008 ARC International (unpublished). All rights reserved.

General Notices

Access and use subject to confidentiality and/or license agreement.

The product described in this manual is licensed, not sold, and may be used only in accordance with the terms of a License Agreement applicable to it. Use without a License Agreement, in violation of the License Agreement, or without paying the license fee is unlawful.

Every effort is made to make this manual as accurate as possible. However, ARC International shall have no liability or responsibility to any person or entity with respect to any liability, loss, or damage caused or alleged to be caused directly or indirectly by this manual, including but not limited to any interruption of service, loss of business or anticipated profits, and all direct, indirect, and consequential damages resulting from the use of this manual. ARC International's entire warranty and liability in respect of use of the product are set forth in the License Agreement.

ARC International reserves the right to change the specifications and characteristics of the product described in this manual, from time to time, without notice to users. For current information on changes to the product, users should read the "readme" and/or "release notes" that are contained in the distribution media. Use of the product is subject to the warranty provisions contained in the License Agreement.

Licensee acknowledges that ARC International is the owner of all Intellectual Property rights in such documents and will ensure that an appropriate notice to that effect appears on all documents used by Licensee incorporating all or portions of this Documentation.

Rights of Disclosure

The manual may only be disclosed by Licensee as set forth below.

- Manuals marked "ARC Confidential & Proprietary" may be provided to Licensee's subcontractors under NDA. The manual may not be provided to any other third parties, including manufacturers. Examples--source code software, programmer guide, documentation.

- Manuals marked "ARC Confidential" may be provided to subcontractors or manufacturers for use in Licensed Products. Examples--product presentations, masks, non-RTL or non-source format.
- Manuals marked "Publicly Available" may be incorporated into Licensee's documentation with appropriate ARC permission. Examples--presentations and documentation that do not embody confidential or proprietary information.

Patent Notice

The ARCompact instruction set architecture processor is covered by one or more of the following U.S. and international patents: U.S. Patent Nos. 6,178,547, 6,560,754, 6,718,504 and 6,848,074; Taiwan Patent Nos. 155749, 169646, and 176853; and Chinese Patent Nos. ZL 00808459.9 and 00808460.2. U.S., and international patents pending.

U.S. Government Restricted Rights Legend

Use, duplication or disclosure by the U.S. Government is subject to restrictions as set forth in FAR 52.227.19(c)(2) or subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 and/or in similar or successor clauses in the FAR, or the DOD or NASA FAR Supplement.

CONTRACTOR/MANUFACTURER IS ARC International I. P., Inc., 3590 N. First Street, Suite 200, San Jose, CA 95134.

Trademark Acknowledgments

ARCangel, ARChitect, ARCompact, AR Ctangent, High C/C++, High C++, the MQX Embedded logo, RTCS, and VRaptor, are trademarks of ARC International. ARC, the ARC logo, High C, MetaWare, MQX, MQX Embedded and VTOC are registered under ARC International. All other trademarks are the property of their respective owners.

Document Number

5820-004 April 2008

Full-Text Search

Types of Searches

You can search for a text string in one or all of the ARC® online reference when supplied in one of the following formats:

- [Adobe Acrobat Search](#)
- [ARC Help Viewer Search](#)

Adobe Acrobat Search

To search within the single document you have open, use the **Find** function in Adobe® Acrobat® or Adobe® Reader®.

To search across multiple PDF documents, click the **Search** button, and enter a word or phrase.

A search returns a list of documents containing items that match your search query, with documents more likely to contain relevant information listed first.

PDF documents can be searched by searching a folder that contains the PDF documents.

Use the **Search** window to select the folder or search index to use for searching.

NOTE The Acrobat browser plugin does not include the Search function.

If you have installed more than one version of the ARC tools, be aware of which Search index or indexes or folders you currently have selected. Otherwise, your search might direct you to the wrong version of the documentation.

If you do not have the free Adobe Reader, or if your version does not have the integrated search functionality, download the latest version from <http://www.adobe.com/>.

ARC Help Viewer Search

To initiate a search using the ARC Help Viewer, click the **Search** tab, and then enter a natural language query in the search navigator **Find** text box.

A search returns a list of topics containing items that match your search query, with topics more likely to contain relevant information listed first. An icon indicates the relevancy ranking of each topic.

The results are reported back in the **Search** pane.

- The circle in the first column indicates the ranking of the matches for that topic. The more filled-in the circle is, the higher the ranking.
- The number in the second column indicates the number of times the query was matched in the listed topic.
- The text specifies the name of the topic (as specified in the topic's title) in which matches are found.
- If there are no matches the **Search** pane remains blank and an audible tone will be heard.

Technical Support

Introduction

Product technical support is provided in accordance with the license agreement with ARC International.

Purchasing Support

To purchase additional support, contact sales@ARC.com

Contacting Technical Support

We encourage customers to visit our Technical Support site for technical information before submitting support requests via telephone. The Technical Support site is richly populated with the following:

ARC Aid

Web-based support system to submit and track issues.

ARCSolve

Frequently asked questions.

ARCSpeak

Glossary of terms.

White papers

Technical documents.

Datasheets

ARC product flyers.

Known Issues

Known bugs and workarounds.

Training

Future ARC Training sessions.

Downloads

Access to useful scripts and tools.

Contact Us

Contact details for our regional support offices.

You can access this site via our Corporate WEB site: <http://www.arc.com/> and selecting **Customer Support**.

You can also access the site directly: <http://support.arc.com/>.

Registering

Please note that you'll need to register before you are able to submit a support request via our Internet site.