



Real-Time Heterogeneous Video Transcoding for Low-Power Applications

Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi

Download now

[Click here](#) if your download doesn't start automatically

Real-Time Heterogeneous Video Transcoding for Low-Power Applications

Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi

Real-Time Heterogeneous Video Transcoding for Low-Power Applications Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi

This book introduces a novel transcoding algorithm for real time video applications, designed to overcome inter-operability problems between MPEG-2 to H.264/AVC. The new algorithm achieves 92.8% reduction in the transcoding run time at a price of an acceptable Peak Signal-to-Noise Ratio (PSNR) degradation, enabling readers to use it for real time video applications. The algorithm described is evaluated through simulation and experimental results. In addition, the authors present a hardware implementation of the new algorithm using Field Programmable Gate Array (FPGA) and Application-specific standard products (ASIC).

- Describes a novel transcoding algorithm for real time video applications, designed to overcome inter-operability problems between H.264/AVC to MPEG-2;
- Implements algorithm presented using Field Programmable Gate Array (FPGA) and Application-specific Integrated Circuit (ASIC);
- Demonstrates the solution to real problems, with verification through simulation and experimental results.

 [Download Real-Time Heterogeneous Video Transcoding for Low- ...pdf](#)

 [Read Online Real-Time Heterogeneous Video Transcoding for Lo ...pdf](#)

Download and Read Free Online Real-Time Heterogeneous Video Transcoding for Low-Power Applications Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi

From reader reviews:

Joe Vizcarra:

Here thing why this particular Real-Time Heterogeneous Video Transcoding for Low-Power Applications are different and trusted to be yours. First of all examining a book is good however it depends in the content of computer which is the content is as tasty as food or not. Real-Time Heterogeneous Video Transcoding for Low-Power Applications giving you information deeper including different ways, you can find any publication out there but there is no book that similar with Real-Time Heterogeneous Video Transcoding for Low-Power Applications. It gives you thrill looking at journey, its open up your own eyes about the thing that will happened in the world which is might be can be happened around you. You can bring everywhere like in area, café, or even in your method home by train. When you are having difficulties in bringing the paper book maybe the form of Real-Time Heterogeneous Video Transcoding for Low-Power Applications in e-book can be your substitute.

Ruth McGrath:

The ability that you get from Real-Time Heterogeneous Video Transcoding for Low-Power Applications will be the more deep you digging the information that hide within the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to be aware of but Real-Time Heterogeneous Video Transcoding for Low-Power Applications giving you joy feeling of reading. The article writer conveys their point in certain way that can be understood through anyone who read this because the author of this publication is well-known enough. This particular book also makes your current vocabulary increase well. So it is easy to understand then can go with you, both in printed or e-book style are available. We recommend you for having this specific Real-Time Heterogeneous Video Transcoding for Low-Power Applications instantly.

Deborah Mazzearella:

Information is provisions for people to get better life, information these days can get by anyone in everywhere. The information can be a know-how or any news even restricted. What people must be consider whenever those information which is inside former life are challenging be find than now is taking seriously which one is suitable to believe or which one typically the resource are convinced. If you get the unstable resource then you buy it as your main information there will be huge disadvantage for you. All of those possibilities will not happen with you if you take Real-Time Heterogeneous Video Transcoding for Low-Power Applications as your daily resource information.

Tracie Berry:

The book Real-Time Heterogeneous Video Transcoding for Low-Power Applications will bring someone to the new experience of reading a new book. The author style to spell out the idea is very unique. Should you try to find new book to study, this book very suitable to you. The book Real-Time Heterogeneous Video

Transcoding for Low-Power Applications is much recommended to you to see. You can also get the e-book through the official web site, so you can easier to read the book.

**Download and Read Online Real-Time Heterogeneous Video
Transcoding for Low-Power Applications Tarek Elarabi, Ahmed
Abdelgawad, Magdy Bayoumi #UL3HMI2Q6JX**

Read Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi for online ebook

Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi books to read online.

Online Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi ebook PDF download

Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi Doc

Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi Mobipocket

Real-Time Heterogeneous Video Transcoding for Low-Power Applications by Tarek Elarabi, Ahmed Abdelgawad, Magdy Bayoumi EPub