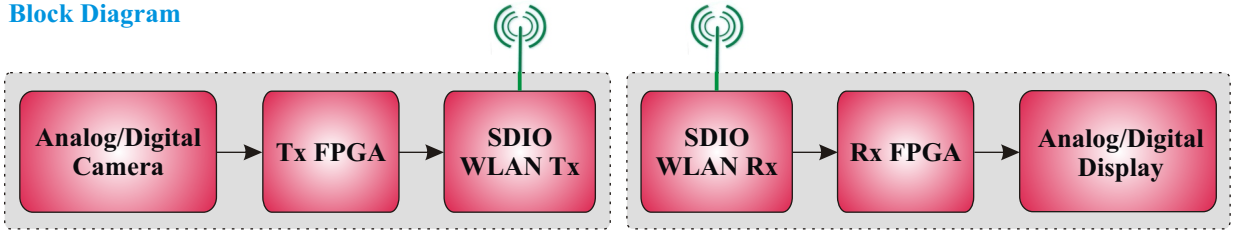


Overview

iW-Rear View Camera is an Automotive System that allows the drivers to safely view objects behind the vehicle through Camera, Marvell 88W8688 WLAN chipset and the LCD display. This system also supports DVD features for in-vehicle entertainment.

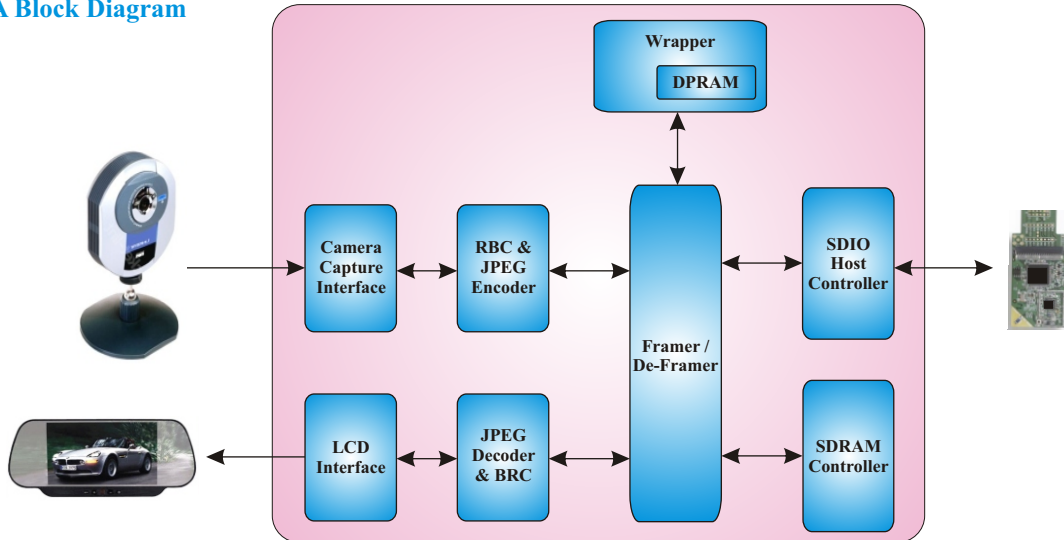
Block Diagram



Features

- ❖ Board takes analog/digital camera input & displays the image on analog/digital LCD
- ❖ Camera input to one board & display output from the second board
- ❖ Wi-Fi communication between two boards using Marvell WLAN 802.11 b/g 88W8688 chipset
- ❖ SDIO Interface between FPGA & processor with SDIO controller implemented in FPGA
- ❖ JPEG Encoder/Decoder implemented in FPGA
- ❖ Audio & single board camera/display loop back option to support DVD player

FPGA Block Diagram

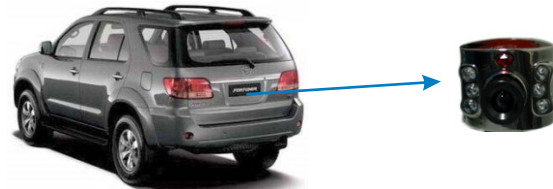


Benefits

- ❖ No conventional wiring is required
- ❖ Easy field replacement

Applications

- ❖ Vehicle reversing camera systems
- ❖ Mining vehicle camera systems
- ❖ Crane or Earth moving equipment camera systems
- ❖ Rear view seat entertainment
- ❖ Digital photo frame
- ❖ Security surveillance camera systems and etc.



About Us

iWave Systems Technologies is an embedded Hardware and Software Turnkey Design Services company, focused on providing integrated solutions for developing innovative products and systems in the areas of Communication, Consumer electronics and Multimedia. iWave offers complete turnkey solutions for systems engineering and product development.

Contact Us

India: iWave Systems Technologies Pvt. Ltd., 7/B, 29th Main, BTM Layout 2nd Stage, Bangalore 560 076. INDIA

Ph : +91-80-26683700, 26786245, Fax : +91-80-26685200

Email : mktg@iwavesystems.com, Web : www.iwavesystems.com

Japan: iWave Japan, Inc. 8F Kannai Sumiyoshi Building 3-29, Sumiyoshi-cho, Naka-ku, Yokohama Kanagawa, Japan.

Ph : +81-45-227-7626, Fax : +81-45-227-7646, Email : info@iwavejapan.co.jp, Web : www.iwavejapan.co.jp

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