



The Foxstar System Development Kit provides an electronic platform for evaluation of the MD-EWXb4 or the MD-EHDb4 LCOS displays in single-panel or two-panel applications.

The system works directly with most video decoders and supports RGB and YUV input data. This highly flexible system can be customized for various display drive schemes and formats.

Applications

- Evaluation board for Rear and Front LCOS Based Projection Systems

Key Features

- Provides all necessary signals to drive MD-EWXb4 and MD-EHDb4 series displays
- Supports Egoyan LCOS Controllers
- Daughter card output system for forward compatibility with future displays and display mounting systems
- Daughter card video input system for compatibility with video input sources such as LVDS and future input standards
- Default video input through DVI-D dual link
- Drive schemes, image orientation, gamma tables, all programmable from through RS232 link by user interface software on supplied PC
- Test points for major signals
- Onboard color wheel controller and synchronization
- Onboard PIC micro-controller and flash memory for ASIC register and table settings
- Header for customer-supplied thermal management support
- Supports Automatic reference electrode balancing
- Synchronization output for UHP lamp ballasts
- FPGA-based boards can be reprogrammed by customers with MDC-supplied updates

Customization Options

- 1-panel (standard) or 2-panel kit
- Egoyan/Eastwood or Fellini/Fonda components (as available)
- Field sequential, SimpleScroll™, or SuperScroll™ color management
- Up to 720 Hz refresh (540 Hz standard)
- Adjustable field times for color balancing



Kit Contents

- One Foxstar LCOS Controller board
- One video input/processing board
- One cube PC, Windows XP-based and preconfigured with MDUI display user interface software
- One MD-EWXb4 or MD-EHDb4 display with associated Contrast Coupler™ and holder
- Standard interconnection cables and power sources
- Color wheel and motor when applicable
- FPGA reprogramming cable

Available Accessories

- Direct-view polarizers for out-of-engine development
- Additional LCOS displays w/ cables and daughter boards

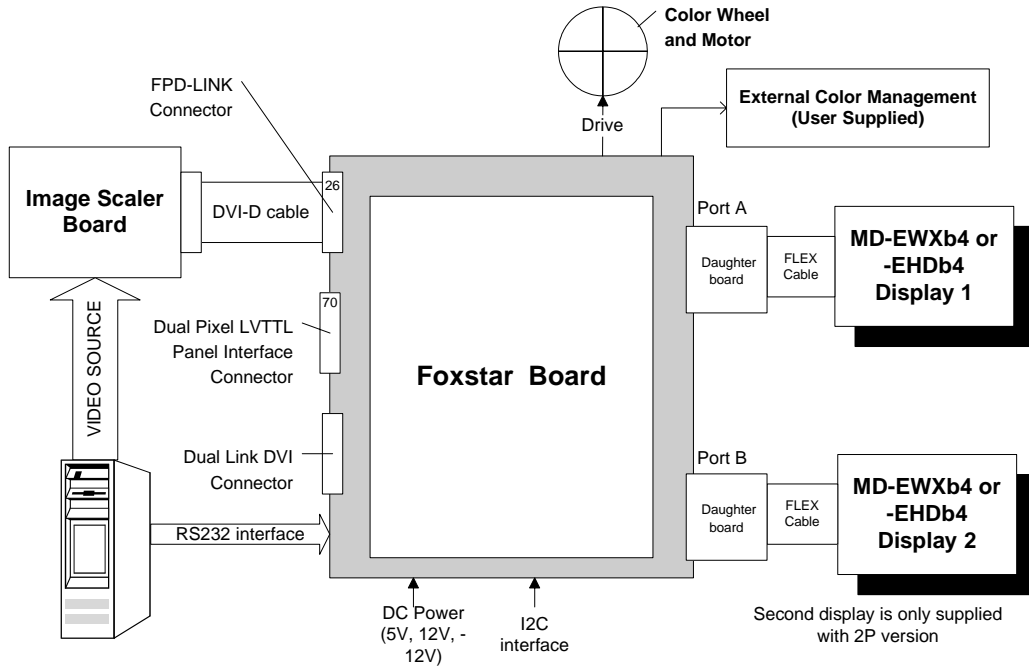


Figure 1 : Typical Projection System Using the Foxstar SDK

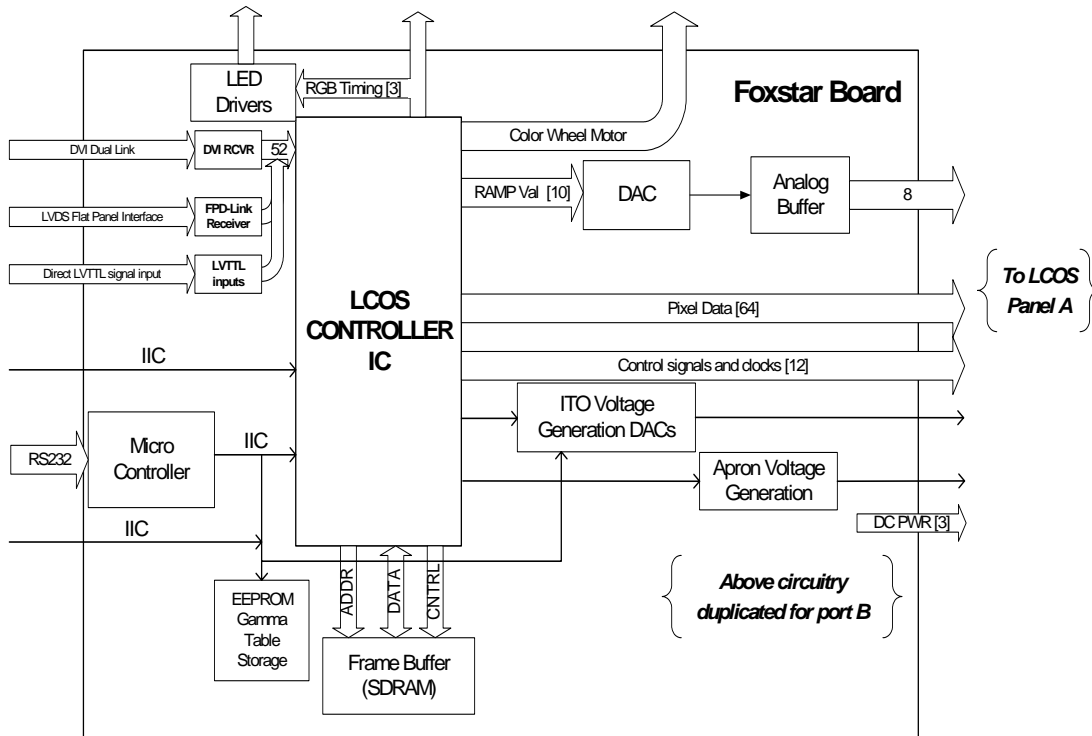


Figure 2: Foxstar Board Block Diagram