

Pinnacle Imaging Systems

Denali ISP with AR0239

Features

- ✓ Denali is the first ISP to fully supporting the AR0239 CMOS image sensor for 3-exposure HDR for achieving a dynamic range of up to 120 dB.
- ✓ Denali ISP is available as IP Blocks for Xilinx Zynq 7000 and Zynq UltraScale + series FPGAs, as well as a complete camera reference design kit

System Solution

- ✓ Zynq 7030 FPGA
- ✓ ARM Cortex-A9 Processor
- ✓ 1080p, HDMI output interface
- ✓ 1G 64bit DDR3 FPGA memory
- ✓ SDIO flash interface, Mini-USB debug interface

Current Proposition

- ✓ The camera systems fully supports 1080p/30fps HDR video stream with 120dB HDR at extremely low latency and accurate color and contrast reproduction
- ✓ Target application:
 - Video Surveillance & Intelligent Traffic System
 - Automotive
 - Robotics
 - Medical
 - Smart Cities

