

## Project Description:

The Bubble games console connects wirelessly to a DVD player and allows children to interact with characters from their favorite television shows. It can also be used as a standalone games console without a television or DVD player.

## Key Features / Project Highlights:

- Developed proof-of-concept prototype in three days!
- System Architecture, Components Selection, Hardware Design, Embedded Software Development, Prototyping, Compliance and Safety Testing, ASIC Cost-Reduction
- Developed low-cost/high-reliability Game Cartridge interface with manufacturing test facilities
- Designed proprietary Virtual Machine, Programming Language and Development Tools as the foundation of an optimized, hardware-independent Game Platform
- Optimized high-strength Infrared transmission system
- Developed RF remote control system using low-cost transmitter/receiver pair
- Brought up volume manufacturing in China, developed test fixtures and procedures and software
- Deployed Production Test and Tracking system, including development of Web-based UI, Linux SW/Drivers, SQL database with data mirroring in USA
- Defined Architecture and Requirements for highly-integrated and enhanced ASIC version of Platform; designed validation board, ported software



## About LocoLabs:

LocoLabs is a Silicon Valley, CA provider of custom and turnkey development platforms and modules for embedded designers. It is our mission to accelerate your product development, drawing on more than a decade of experience tackling tough embedded design problems for leading suppliers of consumer, computing and commercial systems.

In our engineering and design work, LocoLabs customers call us the "Rev-Zero" company. With success stories in consumer electronics, commercial robotics, HD video and instantly deployable wireless networking, our experience reinforces the value of fast prototyping and hardware/software co-design. LocoLabs' cross-trained Embedded, Multimedia, Wireless and Linux experts in our Silicon Valley design center

