

The Company

Aiming to become a leader in the video/graphics industry, LOGIC Devices offers integrated circuits that perform high-density video buffering and signal/image processing optimized for the demands of these markets.

LOGIC offers products that enable SD/ HD video and graphics functions such as video capture, editing, composition, special-effects, compression, transport, and display. Our devices also provide digital filtering in wireless base stations, image enhancement in medical diagnostic imaging equipment, and target recognition & guidance capabilities in smart-weapons systems. Our customers include world leaders in the video, networking, data communication, medical, and test equipment markets.

Fast Facts

- President & CEO: Bill Volz
- Headquarters: Sunnyvale, CA, USA
- Founded: 1983
- Fab Partners: TSMC, Chartered
- Process Nodes: 0.13um, 0.35um
- Represented in 21 countries
- Publicly traded on Nasdaq: (LOGC)
- Employs 20
- ISO 9001 compliant

Providing End-to-End Video and Imaging Solutions

Capture



Edit



Process



Deliver



Receive



Display



Target Markets

- Broadcast Video
- Test & Measurement
- Displays & Multimedia
- Medical Imaging
- Security & Surveillance

Products

- Video Framestore Memory
- Video Digital Filters
- Synchronous FIFOs
- Arithmetic Co-processors

Introducing - Video Memory

Spend more time on product differentiation and less time juggling frames of video.

LOGIC's Video Memory integrates high density SRAM memory and flexible, complex address control onto one chip. These off-the-shelf memory devices speed video/graphics applications to market and reduce development costs.

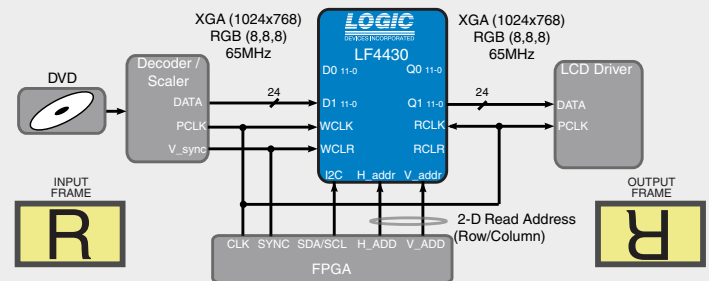
HD FRAME MEMORY



- Up to 60Mbit density stores full-frame 1080i/p
- 24bit Address port for complex address manipulation
- 2-D Memory map can write/read data through Row/Column addressing
- Write & Read pixels at up to 150MHz
- Selectable I/O word width from 8 to 24bits

Migration Path	LF33xx 74MHz NTSC / PAL / DVD	LF44xx 150MHz HD 720p / 1080i/p
Density		
60Mbit		LOGIC LF4460 60Mbit
30Mbit		LOGIC LF4430 30Mbit
24Mbit	LOGIC LF3324 24Mbit	
12Mbit	LOGIC LF3312 12Mbit	

Cycle-by-Cycle 2-D (Row/Column) Addressing



Applications

- Professional Cameras
- Newsgathering
- Format Conversion
- Logo Insertion
- IPTV
- Test Equipment
- Diagnostic Imaging
- Machine Vision Camera
- Framegrabber

HD Frame Synchronization

