



Alma Technologies

Historical Data

- Established in Aug. 2001, as an employee owned company, currently occupying 8 engineers
- **Mission:** To provide reliable and efficient image/video compression solutions
- **Products type:** Soft and firm IP core
- **Distribution:** Worldwide via CAST-Inc
- **Growth rate:** ~40% per year (average '03-'07), profitable from 2002
- **Exports:** >95% turnover

Products & Customers

Actel	IAI/MBT	NASA	Sarnoff
Apple	iBiquity	Nehra Imaging	SCI
Bitwave	IT-SoC	NHK	Serma
CESVIT	Kapsch	O2Micro	SERMA
Chipwrights	Karl Storz Imaging	Philips UltraSound	Sirius Sat. Radio
CMicro	Keymed	Phonetics	TLSI
Covi	LSI Logic	PixelVelocity	Toyon Research
CREO (KoDak)	Malin Space	Pratt&Whitney	TransChip (Samsung)
DragonChip	Marvel	PrimeSense	VCR
Foveon	MBDA	Qpixel	VMTS
Galileo Avionics	Meisei Electric	SAIC	Wavecom
GlobalMedia	Mitsubishi	Samsung	(more ...)

Successes

■ JPEG2000 :

- '02: 1st to launch a core
- '07-'08: Among few that can support HD on FPGA
- '08: 1st to support BIF profile
- '09: 1st to launch a rad-hard ASIC

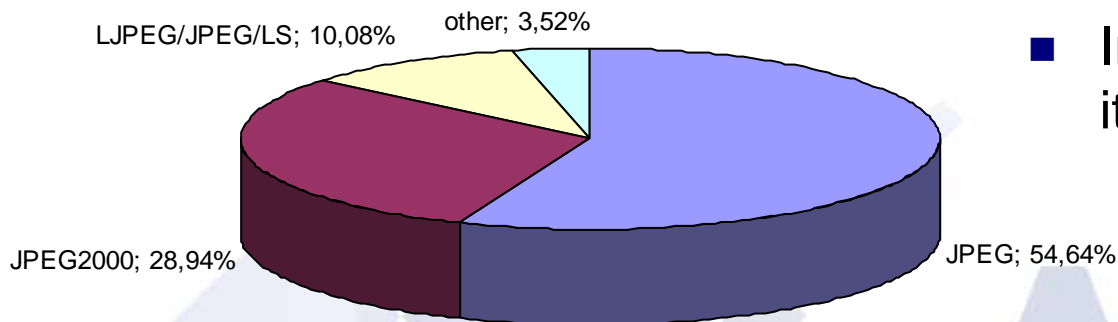
■ JPEG :

- '02-'08: Fastest and among smallest cores
- '08: 1st to support Scalado's SpeedView™

■ JPEG-LS and Lossless JPEG:

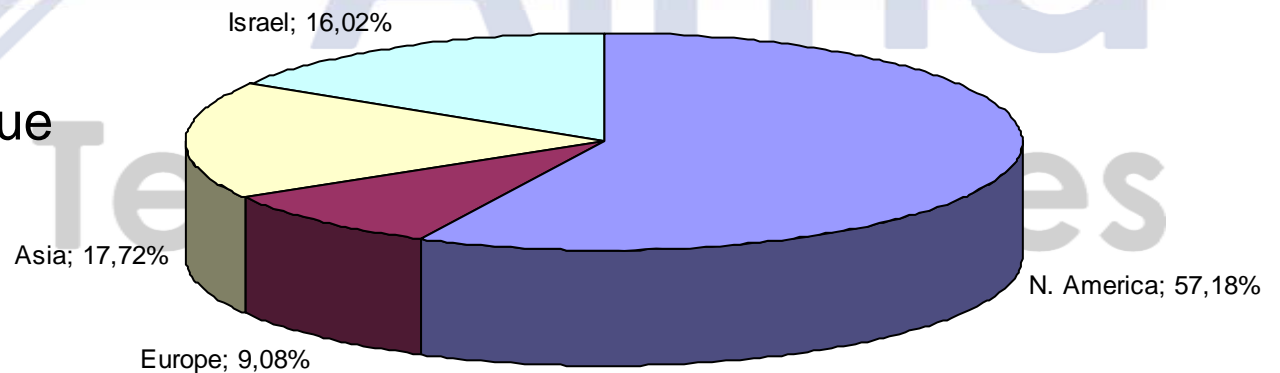
- '06-'08: Only vendor of JPEG-LS and L-JPEG cores

Roadmap?



- Increase revenue & normalize its product distribution
 - Two new families of cores within the next 2 years
 - Optimization of existing cores

- Normalize geographical revenue distribution



Cooperating with Research Institutes

- Joint R&D on Circuit & Systems for Video Technology (see IEEE TCSVT)
- Early exposure to new compression technologies
- Engineers that :
 - Do not afraid to compete in the world arena
 - Have the basic skills-set to do so
 - Background on Computer architecture, Image processing, DSP theory
 - Exposure to digital circuits design flow