

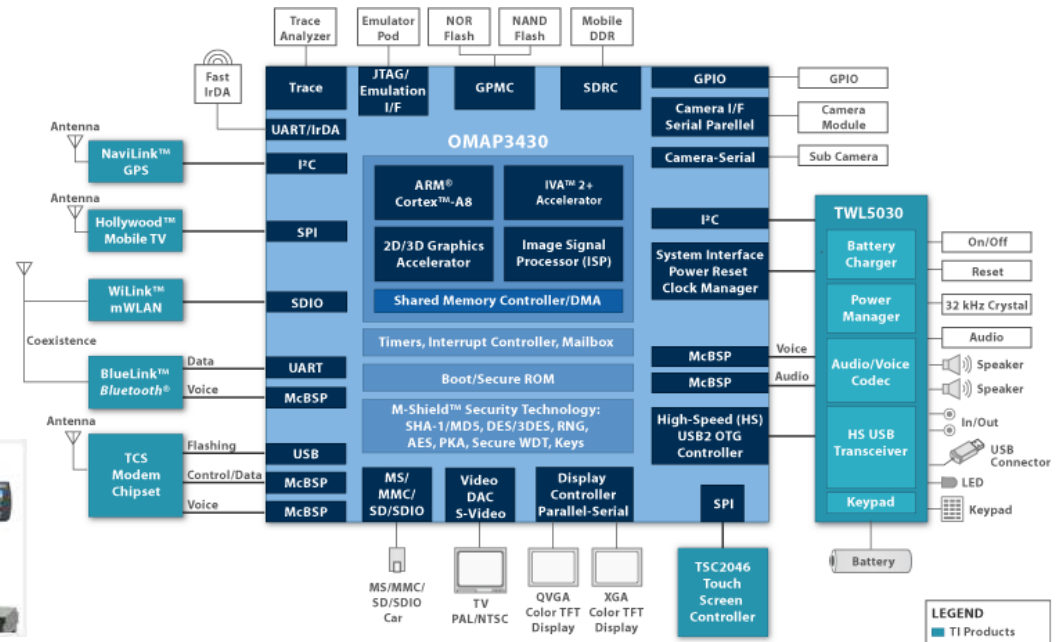
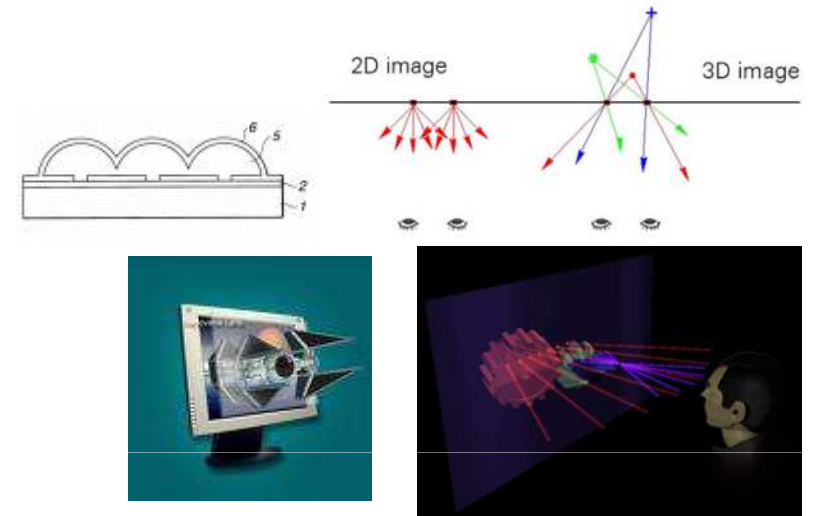
3D telefon

www.3dphone.org







FP7: Bilkent, Uni.Helsinki, Telefonica,
HHI, Streamezzo, Holografika

Főbb jellemzők, extrák

- 3D display: lentikuláris multiview
 - Mobil „GPU”, OpenGL ES
- 3D kamera: stereo camera
 - 70Mbit/s, 12MP
- UI sensors:
 - Camera (gestures)
 - Acceleration sens.
- 3D rendering:
 - 2D
 - Multiview
 - Hologizio



UMPC, Embedded - alkalmazás processzorok

Candidates for HW platform host devices	OOO Model E2	Everex gPC mini+	UMPC	ASUS R2E	OMAP34x MDK	NVIDIA APX 2500 (single chip for graphics+capture)
Image from the product						
Alternative products:			tablet pc or web pad	Gigabyte M704, Gigabyte U60, HTC Shift, Ahtec X70GT, Samsung Q1 Ultra Premium, Asus R2E, ASUS R2H		products built on previous NVIDIA's graphics chip
HW resources, main parameters:						
CPU	1.6GHz VIA C7M ULV	1.73 Core Duo	1.2Ghz	800Mhz	600Mhz	600Mhz
Ram	1GB	1GB	1Gb	1GB	128Mb	256MB
Storage/ Rom	120GB	120GB	48GB	80GB	256MB	512Mb
Graphics	VIA VX700	Mobile Intel® GM965 Express Chipset	Intel® Graphics Media Accelerator 950	Intel® 945GU	IVA + PoverVR	ULP GeForce GPU
Built-in display resolution	5" 800x480	-	4.5" 1024x600	7" 800 X 480	3.7" 640x480	4" WVGA
Touch Screen	yes	-	yes	yes	yes	yes
Accelerators - 2D	(see graphics chip specs.)	(see graphics chip specs.)	(see graphics chip specs.)	(see graphics chip specs.)	MPEG4, WMV9, RealVideo, H263, H264 encode/decode at D1 (720x480 pixels) 30 fps, Integrated image signal processor (ISP) for faster, higher-quality image capture, Open VG support	- 720p H.264, MPEG-4, and VC-1/WMV9 Encode/Decode, - JPEG encode and decode acceleration
Accelerators - 3D					OpenGL ES 2.0	Geforce, OpenGL ES 2.0
External display support	HDMI: 1920x1200	DVI: 1600x1200	analogue VGA (from port replicator))	analogue VGA	DVI: 1024 x 768	HDMI 1.2, TV-out, LCD, CRT
Form factor	142mm(W) x 84mm(H) x 26mm(D)	8.9" (~190x110x45mm)	150 (W) x 95 (H) x 38.1 (D) mm	234/133/28 mm	96.5 (W) x 160.8 (H) x 24.3 (D) mm	(no public information)
Supported OS	Linux, Windows, etc. (PC)	Linux, Windows, etc. (PC)	Linux, Windows, etc. (PC)	Linux, Windows, etc. (PC)	Linux Mobile, Windows Mobile, Symbian	Windows CE
Camera	-	-	2 Built-in Cameras (front: 0.3M pixels and back: 1.3M pixels)	VGA	3.1 megapixel camera (max 12MPixel + Image Processor)	5+ Mpixel
Input/Navigation	- backlit thumb keyboard, mouse and zoom buttons - TouchScrollers™ - track stick pointing device - digital pen	-	- 64 keys with 0.15mm stroke and 8.6mm, - buttons: pitchMouse Left, Mouse Right, Scroll, Magnify Screen (Zoom In/Out), Capture, Center Button, Wireless LAN On/Off, VAIO Touch Launcher	touch screen	- 5-position navigation button - 'Shooter' keys - Standard 12-button keypad - touchscreen	- accelerometer - touch screen
Audio	- AC97 sound system compatible - internal speaker and microphone - HD audio support	Realtek ALC268 High-Definition Audio	- Built-in speakers - built in microphone	- Built-in speakers - built in microphone	- Built-in stereo speakers - Volume control knob - built in microphone	- Ultra low power audio acceleration AAC, AMR, WMA, MP3, PCM, MIDI - Built-in speakers - built in microphone
Extension, connectivity	- USB 2.0	- USB 2.0 - Media Card Reader - IEEE 1394	- USB 2.0 (3x from port replicator) - Memory Stick DUO - i.LINK (from port replicator))	- Micro SD - USB - IR	- USB 2.0 - serial port - Micro SD/MMC card slot - JTAG connector	- Mini A-B USB - Micro SD
Networking	- GSM/GPRS/3G - ETH - Wifi - Bluetooth	- ETH 10/100/100	- GPRS/3G - ETH - Wifi - Bluetooth	- GSM/GPRS/3G - ETH - Wifi - Bluetooth	- GSM/GPRS/3G - ETH - Wifi - Bluetooth	- GSM/GPRS/3G - ETH - Wifi - Bluetooth - HD Radio, GPS, DVB-H

3D UI

- Billentyű, érintőképernyő, acc. szenzor, kamera és rezgés komplex használata
- 3D icons + gestures (BumpTop)
- Zoomable UI
- 3D widgets
 - Carousel, fisheye, stb.

