Virtual Boy: hardware



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irtual Boy

Nintendo's new toy is aiming to create a market for itself market it a novelty too far

Autumn



design guru Gumpei Yokoi, whose cuescus gran compres corcus whose such as the past glories include hardware such as the Coame Boy, the Cerne And Watch series and such series as such seri seering software as Super Metroid, the Virtual Boy was a sometime of a myserious product to be born of the sometime of a myserious product. connections of a mysterious product to be born of the a connection of a mysterious company. Unusually, I must refer to the connection of a mysterious company, I must refer to the connection of work's largest videograms company, crussally, it was a distribution of the company of the compan Numerica product trial differs solviers a universal tens) of desirability prior to its laureh. Conversely, the system desirability prior to its laureh, the prior to produce the bushout expression and the bushout expression will be bushout expression of the bushout expression will be bushout expression and the bushout expression are the bushout expression and the bushout

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rush of opinion offered at the Virtual Boy's unrealing at last and of opinion offered at the Virtual Boy's unrealing at last last first plant. However, we have the control of the virtual boy's proper should be a supported to the virtual boy's and the virtual bo year's Strokkinkal shown in Chiba bapan. Most was less train of the strokkinkal shown in Chiba bapan. The key area of optimized, and atomic demonstrative destinations are used to provide the strokkinkal shown over the strokkinkal shown in th opportunistic, and some downright demning. The key area of a contraction of the contracti criticism, as is so often the case with a new option, was its mining of some some of the remains of some some of the remains o hiorder reports.

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amos put still manages to rtusi Boy's 3D capabilities well

Bomberman charactors in a Tetris/Puyc puyo clone that breaks no new ground



you opposite. The imprementation of 3U variety throughout the range of launch software, but even throughout the range of launch software. Launch software section of the softw throughout the range of launch software, but over Hudson Soft's Pork Bomber, which being Terris Hudson Son's your bomber, which being help to clone is theoretically the least likely to come is meorencially the least likely due demonstrate detailing 3D, managed to produce the forest terrelike automaticae and allowers tome of the more terrelike automaticae and allowers. gennorstrate gazzing, att, manages to produce some of the most terrific animations and affects on the system.

Despite housing a 32-bit CPU, the Virtual Despire nousing a 32-bit Crv. time virtual Boy really doesn't jump through any impressive pooks when examined on the page of brue seen on the system. noops when examined on the basis of pure pixel stiffing Obviously the strain of producing two independent images simultaneously, each only slightly different.

but co-ordinating to create a 3D producing

Virtual Boy: hardware



Tech specs: hardware



Virtual Boy

CPU:

Grapnics.	Reflection Technology, details unclear
Sound:	16bit, details unclear
Misc	Dimensions are 217 x 254 x 110 mm Weighs 760g Powered by 6AA batteries stored in the gam controller Accessories include an AC 100V adaptor, battery charger and adjustable stand
Background:	The habitually cagey Nintendo has been ew more reticent to divulge too much about the technical prowess of its Virtual Boy system legacy perhaps of the machine's debut at to Seaching obour locate 1904, when it fails

32bit NEC V810 operating at 10MHz

make the desired impression. Unusual and innovative, the Virtual Boy can be seen as a gamble in the same way that the Game Boy was, but it's a lot harder to see the VB succeeding to the same extent. The 3D effect generated by its fixed headset is convincing but underutilised by the first crop of titles released by Nintendo. Too many of the 3D elements in the first Virtual Boy stames were simple shock effects - just like the effects seen in primitive 3D movies. The Virtual Boy's controller is an intriguing creation. Its twin-handed, two joyped approach to game control is innovative and should allow for some interesting games, if designers can look beyond obvious trickery. With the Ultra 64 commanding most of Nintendo's (and everyone else's) attention, it's hard to see the Virtual Boy getting a fair crack of the whip. Whether it will ever be more than a gaming novelty remains to be seen.



Super Nintendo

CPU:	16bit 65816 RISC chip operating at 3.58MHz	
Memory:	128K main RAM 64K VRAM	
Graphics:	256x224 and 512x448 240 colours from 32,768 colour palette Four layers of independent scrolling 128 16 colour sprites onscreen at once	
Sound:	8 channel PCM audio	
Misc:	Custom chips may be added to cartridges	

Background:

As the Super Famicom this machine enjoyed huge success in Japan, where it is still the dominant games console and its games are among the biggest sellers. The games pedigree of the machine is unmatched, with a strong roster of top titles from F-Zero and Super Mario World to Killer Instinct and Yoshi's Island. Custom chips inside cartridges have allowed Nintendo to produce games not possible on other formats. DSP chips and two generations of Super FX chips (developed in the UK by Argonaut) have made games like Starwing and Stunt Race FX possible. Losing out to a bullish Sega in the UK and Europe, the Supe Nintendo market has declined quickly in the UK with peripherals like the Super Game Boy failing to attract new consumers to the console. As the recently released Yoshi's Island has proved, the Super Nintendo can still come up with the goods but with so many developers deserting 16bit, its future looks bleak.