

Hitachi Flat Panel Television Manuals

DVD The medium can store any kind of digital data and has been widely used to store video programs (watched using DVD players), software and other computer files. Dual-layer, double-sided DVDs can store up to a maximum of 17. A standard single-layer DVD can store up to 4. It was invented and developed in 1995 and first released on November 1, 1996, in Japan. standard definition CRT TV or an HD flat panel TV with a DVD mechanism under the CRT or on the back of the flat panel, and VCR/DVD combos were also available The DVD (common abbreviation for digital video disc or digital versatile disc) is a digital optical disc data storage format. 5 GB. 7 GB of data, a dual-layer DVD up to 8. 08 GB. DVDs offer significantly higher storage capacity than compact discs (CD) while having the same dimensions 9da9cdb4cd

List of Japanese inventions and discoveries
Japanese pioneers have made contributions

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across a number of scientific, technological and art domains. In particular, Japan has played a crucial role in the digital revolution since the 20th century, with many modern revolutionary and widespread technologies in fields such as electronics and robotics introduced by Japanese inventors and entrepreneurs. Flat-panel video display — In 1974, Sharp Corporation's This is a list of Japanese inventions and discoveries. technology to develop the first practical IPS panel with wide viewing angle, presented by Hitachi in 1995

Printed circuit board Another manufacturing process adds vias, metal-lined drilled holes that enable electrical interconnections between conductive layers, to boards with more than a single side. PCBs are used to connect or "wire" components to one another in an electronic circuit. with a pattern of traces, planes and other features (similar to wires on a flat surface) etched from one or more sheet layers of copper laminated onto or A printed circuit board (PCB), also called printed wiring board (PWB), is a laminated sandwich structure of conductive and insulating layers, each with a pattern of traces, planes and other features (similar to wires on a flat surface) etched

from one or more sheet layers of copper laminated onto or between sheet layers of a non-conductive substrate. Electrical components may be fixed to conductive pads on the outer layers, generally by soldering, which both electrically connects and mechanically fastens the components to the board

Although it was announced towards the end of 1981, production issues initially delayed the fulfilment of many orders, causing deliveries to spill over... The design implements a 32-bit instruction set, with 32-bit registers and a 16-bit internal data bus. The address bus is 24 bits and does not use memory segmentation, which made it easier to program for. Internally, it uses a 16-bit data arithmetic logic unit (ALU) and two more 16-bit ALUs used mostly for addresses, and has a 16-bit external data bus. For this reason, Motorola termed it a 16/32-bit processor. The resolution itself only indicates the number of distinct pixels that can be displayed on a screen, which affects the sharpness and clarity of the image. It can be controlled by various factors, such as the type... LCDs are available to display arbitrary images (as in a general-purpose

computer display) or fixed images with low information content, which can be displayed or hidden: preset words, digits, and seven-segment displays (as in a digital clock) are all examples of devices with these displays. They use the same basic technology, except that arbitrary images are made from a matrix of small pixels, while other displays have larger elements. 9da9cdb4cd

History of personal computers drives into the computer's enclosure, and included an updated multi-line flat-panel plasma display. After the development of the microprocessor, individual personal computers were low enough in cost that they eventually became affordable consumer goods. Early personal computers – generally called microcomputers – were sold often in electronic kit form and in limited numbers, and were of interest mostly to hobbyists and technicians. A personal computer is one intended for interactive individual use, as opposed to a mainframe computer where the end user's requests are filtered through operating staff, or a time-sharing system in which one large processor is shared by many individuals. Around this time, a Q1 MicroLite was also introduced, The history of personal computers as mass-

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market consumer electronic devices began with the microcomputer revolution of the 1970s

As one of the first widely available processors with a 32-bit instruction set, large unsegmented address space, and relatively high speed for the... Prerecorded DVDs are mass-produced using molding machines that physically stamp data onto the DVD. Such discs are a form of DVD-ROM because data can only be read... The graphics display resolution is also known as the display mode or the video mode, although these terms usually include further specifications such as the image refresh rate and the color depth. The name Trinitron was derived from trinity, meaning the union of three, and tron from electron tube, after the way that the Trinitron combined the three separate electron guns of other CRT designs into one.

Liquid-crystal display Liquid crystals do not emit light directly but instead use a backlight or reflector to produce images in color or monochrome. Flat-panel display FPD-Link Hitachi HD44780 LCD controller LCD classification LCD projector LCD

television List of liquid-crystal-display A liquid-crystal display (LCD) is a flat-panel display or other electronically modulated optical device that uses the light-modulating properties of liquid crystals combined with polarizers to display information. atmosphere in typical use 9da9cdb4cd

BBC Micro Jon Gibbons,Andrew Gordon,Lawrence Hardwick,Dylan Harris,Hermann Hauser,Hitachi,Andy Hopper,ICL,Martin Jackson,Brian Jones,Chris Jordan,David King,David The BBC Microcomputer System, or BBC Micro, is a family of microcomputers developed and manufactured by Acorn Computers in the early 1980s as part of the BBC's Computer Literacy Project. Created in response to the BBC's call for bids for a microcomputer to complement its broadcasts and printed material, Acorn secured the contract with its rapidly prototyped "Proton" system, which was subsequently renamed the BBC Micro. Launched in December 1981, it was showcased across several educational BBC television programmes, such as The Computer Programme (1982), Making the Most of the Micro and Computers in Control (both 1983), and Micro Live (1985) 9da9cdb4cd

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LCDs are used in a wide... 9da9cdb4cd

Cathode-ray tube CRTs have also been used as memory devices, in which case the screen is not intended to be visible to an observer. The images may represent electrical waveforms on an oscilloscope, a frame of video on an analog television set (TV), digital raster graphics on a computer monitor, or other phenomena like radar targets. The term cathode ray was used to describe electron beams when they were first discovered, before it was understood that what was emitted from the cathode was a beam of electrons. Flat-panel displays dropped in price and started significantly A cathode-ray tube (CRT) is a vacuum tube containing one or more electron guns, which emit electron beams that are manipulated to display images on a phosphorescent screen. A CRT in a TV is commonly called a picture tube. first manufacturers to stop CRT production was Hitachi in 2001, followed by Sony in Japan in 2004 9da9cdb4cd

Trinitron It was one of the first television systems to enter the market since the Trinitron was Sony's brand name for its line of aperture-grille-based CRTs used in television sets and computer monitors. of

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aperture-grille-based CRTs used in television sets and computer monitors. Constant improvement in the basic technology and attention to overall quality allowed Sony to charge a premium for Trinitron devices into the 1990s. It was one of the first television systems to enter the market since the 1950s

Motorola 68000 Interviewed by Dave House. Datasheets and manuals M68000 The Motorola 68000 (sometimes shortened to Motorola 68k or m68k and usually pronounced "sixty-eight-thousand") is a 16/32-bit complex instruction set computer (CISC) microprocessor, introduced in 1979 by Motorola Semiconductor Products Sector. History Panel on the Development and Promotion of the Motorola 68000" (PDF) (Interview). July 23, 2007

In CRT TVs and computer monitors, the entire front area of the tube is scanned repeatedly...

Display resolution standards Certain combinations of width and height are standardized (e. by VESA) and typically given a name and an initialism which is descriptive of its dimensions. This

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information is used for electronic devices such as a computer monitor. most popular resolution for liquid crystal display televisions (versus XGA for Plasma TVs flat panel displays);[failed verification] By 2013, even this A display resolution standard is a commonly used width and height dimension (display resolution) of an electronic visual display device, measured in pixels. g 9da9cdb4cd

Patent protection on the basic Trinitron design ran out in 1996, and it quickly faced a number of competitors at much lower prices. 9da9cdb4cd

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