

# Mounting A Projector On The Wall

Armand Spitz also had a driven precessional axis and auxiliary projectors for a projected orrery and a simple meteorite projector. Some could be mounted on an elevator Armand Neustadter Spitz (July 7, 1904 – April 14, 1971) was an American planetarium designer fd7eec125a

== Digital micromirror... == fd7eec125a

Christie (technology company) As of 2019, more than 65,000 Christie projectors have been Christie is a visual display technologies company specializing in digital projection, LED video wall displays, projection software and tools, and image processors for cinema and professional AV markets. consisting of a mounting chassis and three rectangular modules which snap onto the chassis via magnets. The company has been granted over 100 patents fd7eec125a

Large-screen television technology Prior to the development of thin-screen technologies, rear-projection television was standard for larger

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displays, and jumbotron, a non-projection video display technology, was used at stadiums and concerts. The setup Large-screen television technology (colloquially big-screen TV) developed rapidly in the late 1990s and 2000s. uses a projector that is separate from the screen which could be a suitably prepared wall, and the projector is placed in front of the screen. Various thin-screen technologies are being developed, but only liquid crystal display (LCD), plasma display (PDP) and Digital Light Processing (DLP) have been publicly released. Recent technologies like organic light-emitting diode (OLED) as well as not-yet-released technologies like surface-conduction electron-emitter display (SED) or field-emission display (FED) are in development to supersede earlier flat-screen technologies in picture quality fd7eec125a

DLP technology is used in DLP front projectors (standalone projection units for classrooms and business primarily), DLP rear projection television sets, and digital signs. It was also used in about 85% of digital cinema projection as of around 2011, and in additive manufacturing as a light source in some printers to cure resins into solid 3D objects. fd7eec125a

Laser projector It consists A laser projector is a device that projects changing laser beams on a

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screen to create a moving image for entertainment or professional use. A laser projector may contain one laser light source for single-color projection or three sources for RGB (red, green, and blue) full color projection. It consists of a housing that contains lasers, mirrors, galvanometer scanners, and other optical components. A laser projector is a device that projects changing laser beams on a screen to create a moving image for entertainment or professional use fd7eec125a

In the overhead projector, the source of the image is a page-sized sheet of transparent plastic film (also known as "viewfoils", "foils", "acetate" or "transparencies") with the image to be projected either printed or hand-written/drawn. These transparent sheets are placed on the glass platen of the projector, which has a light source below it and a projecting mirror and lens assembly above it (hence, "overhead"). They were widely used in education and business before the advent of video projectors. fd7eec125a Home entertainment laser projectors have a wider color gamut and longer life. fd7eec125a == List of CRT projectors == fd7eec125a

Video projector A video projector, also known as a data projector or digital projector, is an image

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projector that receives a video signal and projects the corresponding A video projector, also known as a data projector or digital projector, is an image projector that receives a video signal and projects the corresponding image onto a projection screen using a lens system. Video projectors use a very bright ultra-high-performance lamp (a special mercury arc lamp), Xenon arc lamp, metal halide lamp, LED or solid state blue, RB, RGB or fiber-optic lasers to provide the illumination required to project the image. Most modern projectors can correct any curves, blurriness and other inconsistencies through manual settings fd7eec125a

Armand Spitz, the son of Louis Spitz and Rose (Neustadter), was born in Philadelphia, Pennsylvania and was educated at the University of Pennsylvania and the University of Cincinnati, without receiving a degree from either. In 1926 he began working as a journalist, and within two years purchased a newspaper in Haverford, Pennsylvania. This went bankrupt in 1934, and Spitz traveled to France, discovering an interest in astronomy on the voyage to Europe. On his return to the United States, he became a lecturer on astronomical topics at Haverford College. As a side effort he made a 1-foot-diameter (0.30 m) papier-mache model of the Moon, which is on display to this day at the

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Academy of Natural Sciences in Philadelphia. fd7eec125a == Biography == fd7eec125a Christie is headquartered in Cypress, California, U.S. with engineering in Kitchener, Ontario, Canada and manufacturing in Shenzhen, China. Christie has offices in 15 countries. fd7eec125a Video projectors are used for many applications such as conference room presentations, classroom training, home cinema, movie theaters, and concerts, having mostly replaced overhead, slide and conventional film projectors. In schools and other educational settings, they are sometimes connected to an interactive whiteboard. In the late 20th century, they became commonplace in home cinema. Although large LCD television screens became quite popular, video projectors are still common among many home theater enthusiasts. In some applications, video projectors have been replaced with large monitors or LED screens, or their replacement has been... fd7eec125a

Rear-projection television A variation is a video projector, using similar technology, which projects onto a screen. UHP lamps used in projectors and RPTVs require periodic replacement, as they dim with use. Until approximately 2006, most of the relatively affordable consumer large screen TVs up to 100 inches (250 cm) used rear-projection

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technology. requiring a UHP lamp. The first wall-mountable RPTV was launched Rear-projection television (RPTV) is a type of large-screen television display technology in which the image is projected inside the cabinet from behind onto a diffusing screen at the front. Unlike traditional televisions, a rear-projection television converts electrical video signals into beams of light, directed by an optical lens and mirror system fd7eec125a

Large-screen technologies have almost completely displaced cathode-ray tubes (CRT) in television sales due to the necessary bulkiness of cathode ray tubes. The diagonal screen size of a CRT television is limited to about 100 cm (40 in) because of size requirements of the cathode-ray tube, which fires three beams of electrons onto the screen to create a viewable image. A large-screen TV requires a longer tube, making a large-screen... fd7eec125a

List of CRT video projectors A number of projector manufacturers produced projectors that were sold under the brand of different makers, sometimes This is an incomplete list of front-projection CRT video projectors. of front-projection CRT video projectors fd7eec125a

Spitz became a volunteer at the new Fels

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Planetarium in Philadelphia, doing publicity, but soon was allowed to do planetarium lectures. He also created a series of radio programs in which he covered scientific topics, with an emphasis on astronomy. His first book, The Pinpoint Planetarium, appeared in 1940. The first half of the book described the sky and legends...  
fd7eec125a == Optical system == fd7eec125a

Digital light processing Digital Projection and Texas Instruments were both awarded Emmy Awards in 1998 for the DLP projector technology. While the DLP imaging device was invented by Texas Instruments, the first DLP-based projector was introduced by Digital Projection Ltd in 1997. It was originally developed in 1987 by Larry Hornbeck of Texas Instruments. needed] In DLP projectors, the image is created by microscopically small mirrors laid out in a matrix on a semiconductor chip, known as a digital micromirror Digital light processing (DLP) is a set of chipsets based on optical micro-electro-mechanical technology that uses a digital micromirror device fd7eec125a

Lasers can produce brighter projected images than a conventional projector, with HDR and more vibrant colors. fd7eec125a DLP was used in a variety of display applications from traditional static displays to interactive displays

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and also non-traditional embedded applications including medical, security, and industrial uses. Smaller "pico" chipsets were used in mobile devices including cell phone accessories and projection display functions embedded directly into phones. fd7eec125a

Projection screen wall-mounted switch, although some projectors are equipped with an interface that connects to the screen and automatically lowers the screen when the A projection screen is an installation consisting of a surface and a support structure used for displaying a projected image for the view of an audience. Projection screens may be permanently installed on a wall, as in a movie theater, mounted to or placed in a ceiling using a rollable projection surface that retracts into a casing (these can be motorized or manually operated), painted on a wall, or portable with tripod or floor rising models as in a conference room or other non-dedicated viewing space. Another popular type of portable screens are inflatable screens for outdoor movie screening (open-air cinema) fd7eec125a

== Background and history == fd7eec125a ==  
Types == fd7eec125a Three types of projection systems are used in projection TVs. CRT rear-projection TVs were the earliest, and while they were the first to exceed 40 in (100 cm), they

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were also bulky and the picture was unclear at close range. Newer technologies include DLP (reflective micromirror chip), LCD projectors, Laser TV and LCoS. They are capable of displaying high-definition video up to 1080p resolution, and examples include Sony's SXRD (Silicon X-tal Reflective Display), JVC's D-ILA (Digital Direct Drive Image Light Amplifier) and MicroDisplay Corporation's Liquid Fidelity. Uniformly white or grey screens are used almost exclusively as to avoid any discoloration to the image, while the most desired brightness of the screen depends on a number of variables, such as the ambient light level and the luminous power of the image source. Flat or curved screens may be used depending on the optics used to project the image and the desired geometrical accuracy of the image production, flat screens being the more common of the two. Screens can be further designed for front or back projection, the more common being front projection systems, which have the... Industrial laser projectors are used as a guide, like a stencil in various manufacturing processes.

Overhead projector overhead projector (often abbreviated to OHP), like a film or slide projector, uses light to project an enlarged image on a screen, allowing the view of a small

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An overhead projector (often abbreviated to OHP), like a film or slide projector, uses light to project an enlarged image on a screen, allowing the view of a small document or picture to be shared with a large audience fd7eec125a

== History == fd7eec125a

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