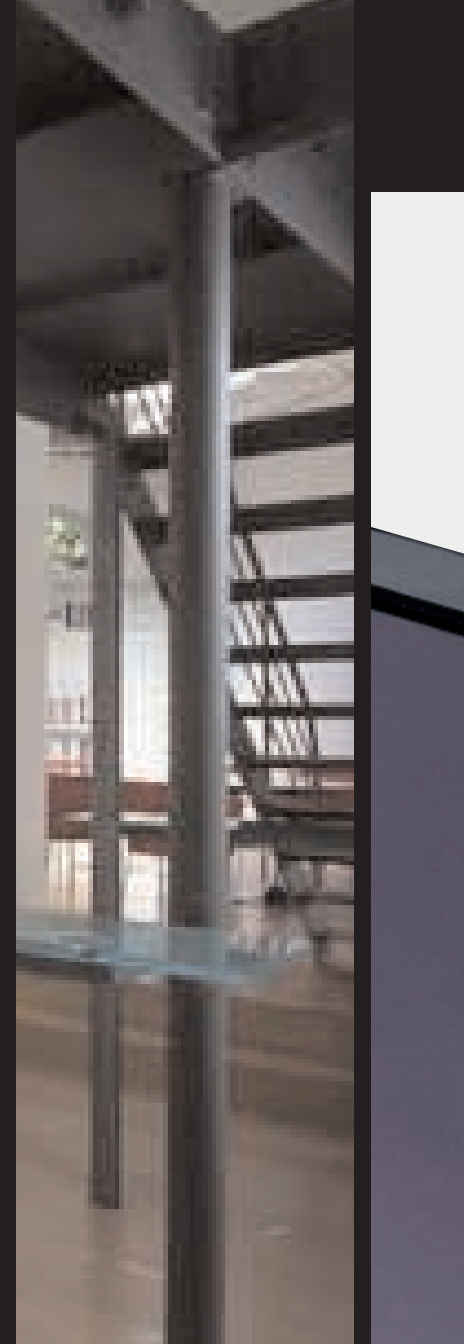
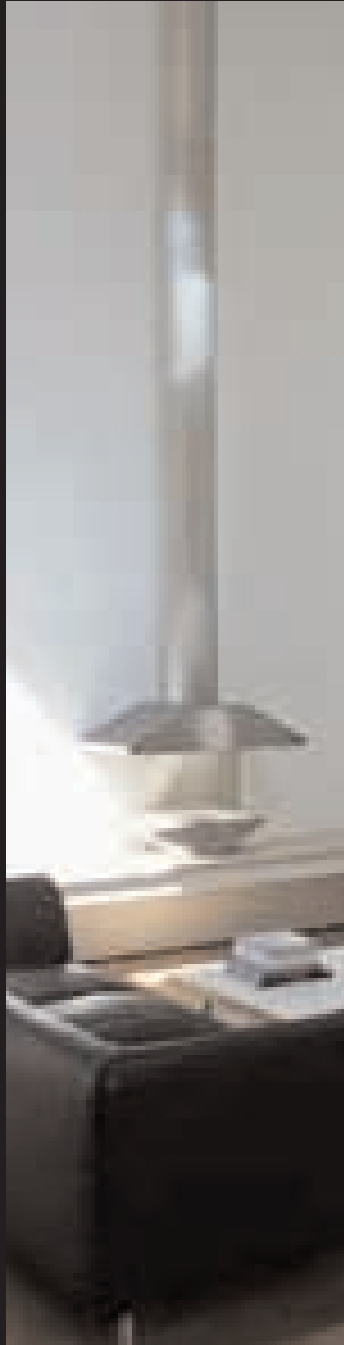


Pioneer sound.vision.soul

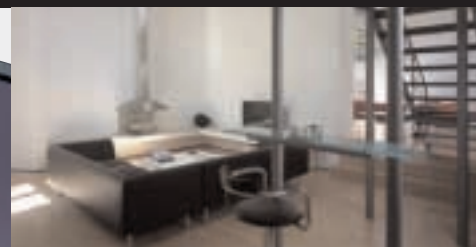


Complete>Elite

Definitive Home Theater from Pioneer

ELITE

Director's cuts on DVD. Late-season playoff games. Concerts on



CONTENTS

2	PureVision Plasma Televisions
10	High Definition Projection Monitors
12	DVD Recording & Playback
20	A/V Receivers
28	Component Essentials
32	Features & Specifications

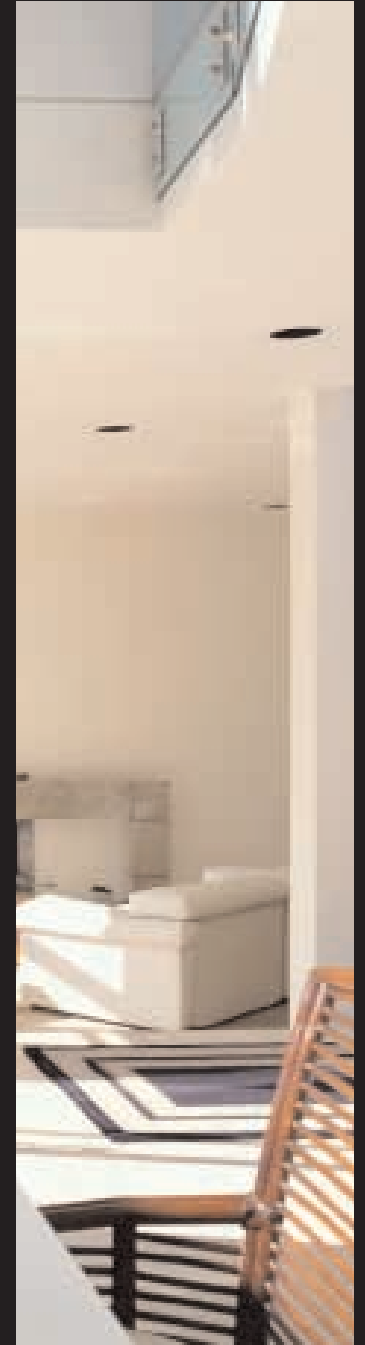
hi-def digital cable.

> > > On a truly great home theater system, these will be unforgettable moments where time stops and your daily life moves into the background. Chills and laughter, adrenaline rushes, wild dancing in your media room - they're all part of the package.

Elite home theater systems are built to deliver these extra-sensory experiences. Guided by Pioneer's leading-edge audio and video expertise, each component is crafted with extreme attention to detail. We use only the best optical glass and the finest lenses, the most powerful processors and top-grade electronics. And even when they're turned off, Elite components are stunning.

The purchase of an Elite home theater system is an investment in your happiness. With each movie, game, or concert you'll see - and hear - your investment paying off.

Go ahead, turn it on. We hope you like surprises.



PureVision Plasma Televisions

PRO-1110HD

50" PureVision Plasma Television



- High Definition WXGA (1280x768) Resolution
- Advanced Continuous Emission II (ACE II)
- PureDrive
- Pure Color Filter II

It's like magic. Re-runs become new again, and movies are an almost spiritual experience. With mind-bending depth and clarity, Elite plasma TVs and projection monitors keep you in a state somewhere between utter disbelief and sheer joy, each time you hit the power button.



PUREDRIVE

Fact: there are many brands of plasma displays, but only a few actual manufacturers. Among this very short list, Pioneer is a true innovator at the forefront of plasma development. Our latest breakthrough is PureDrive™, a Pioneer exclusive that pushes the limits of plasma display performance. PureDrive keeps video signals entirely in a digital domain rather than convert them back and forth between analog and digital, as is typical. This lossless, all-digital process allows far greater control of the signal and enables it to maintain all of its original depth.

To bring the completely digital PureDrive platform to market, Pioneer developed its own custom digital chipsets – actually six new ICs, four within the media receiver of the Elite PRO-1110HD and PRO-910HD, and two within the panels themselves. The result is a technological foundation of excellence that will carry forward into the future.

Here are the features made possible by the development of PureDrive, and how each contributes to improved picture quality. In a crowded field of plasma displays – some of them excellent – this is what it takes to be the very best.



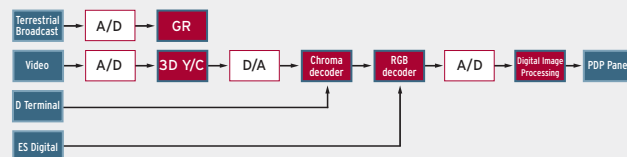
PRO-910HD

43" PureVision Plasma Television

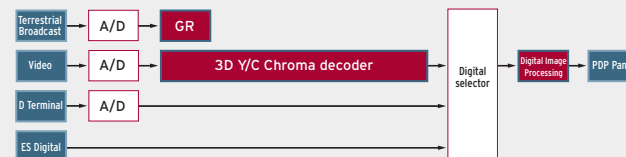


- XGA (1024 x 768) Resolution
- PureDrive

- Advanced PureCinema 3:3 Pulldown
- Certified ISF Color Calibration Mode



Conventional PDP



PureVision's PureDrive

I/P CONVERSION

Even the most common plasma displays contain an I/P converter, a chip that turns interlaced images into progressive images. That's the easy part; inexpensive, low-performance I/P conversion chips are available to all manufacturers. But performing that conversion with total precision and without visible distortion cannot be done with an inexpensive chip. Go into a store, begin watching a plasma display and look for a moving image that contains a straight edge such as a pillar or fence. As motion continues, look for a jagged effect along the edges. That imperfection can be eliminated, and powered by PureDrive, the Elite PRO-1110HD and PRO-910HD plasma TVs are up to the task. Each contains a custom IC that performs high-grade I/P conversion, so those straight edges will look straight and clean, like they're supposed to. Better technology, better performance: it's another reason why Pioneer plasmas are the best in their class.

ADVANCED PURECINEMA 3-3 PULLDOWN

Film doesn't translate to a standard that a TV can process without some alterations. Here's why: all movies are shot on film at 24 frames per second (fps), but televisions display images using the long-standing NTSC standard of 30 frames per second (or more precisely, 60 interlaced fields per second, or 60Hz). In order to display a movie, 6 fps must

be added to the film's original 24 fps, to equal 30. This is done by examining each frame of film and creating three "partial" frames from the first frame of film, two partial frames from the second, then three again, and so on. This conversion process is called 3-2 (or sometimes 2-3) frame pulldown.

3-2 pulldown greatly improves NTSC reproduction of film-based material, but it's not the ideal solution. It requires a processor to take those 24 fps into a buffer, interpolate how to compose the 6 frames to be added, and re-send the "new" 30 frames. This is exceptionally difficult to do and often results in uneven motion, especially during fast-moving action in a film.

As part of its creation of PureDrive, Pioneer solved this issue by developing a custom, industry-exclusive IC that creates 3 full copies of each frame x 24 frames per second, for 72 progressive fps (72Hz). This is 3-3 pulldown, which synchronizes perfectly with the frame rate of film so there's no need to make interpolations. It's actually a far less complicated process that doesn't force the processors into guesswork. Now, film-based material on DVD, videotape, and even regular television will match the smooth, natural reproduction you'd see in a theater. Advanced PureCinema 3-3 pulldown – unequalled by other plasma display brands – will become the new industry standard.

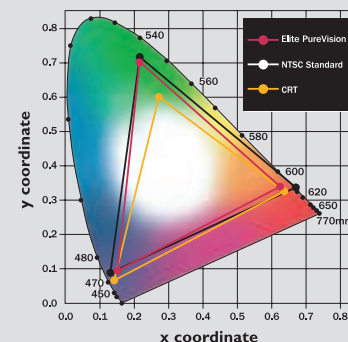
ADVANCED CONTINUOUS EMISSION II (ACE II)

Some of the most gripping movie moments come in low-light scenes. Most plasma panels don't properly reproduce all the detail in these dark scenes, leaving you thinking, "what was that?" and playing it over again. But the Elite PRO-1110HD and PRO-910HD overcome this: Advanced Continuous Emission II uses 10-bit processing to produce 1,024 gradation steps for each red, green, and blue cell, creating a palette of over 1.07 billion colors. This industry-leading technology gives you a wider range of hues and far more accurate reproduction – up to 16 times more accurate than competitors' panels.

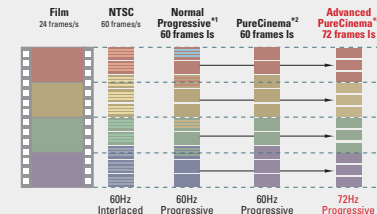
PURE COLOR FILTER II

The clear front of an Elite PureVision plasma display is actually a precisely machined, optical-grade glass panel. Besides offering high-impact protection, this glass panel acts as a color filter that increases the spectrum of light emitted by the plasma. With our Pure Color Filter II – an Elite exclusive – you'll see a fuller range of colors with a higher level of color accuracy than ever before. It also helps to increase contrast by limiting ambient light reflection, so it's ideally suited to your everyday viewing conditions. Our high-performance glass panels actually out-perform CRTs in color reproduction.

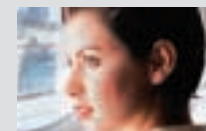
Pure Color Filter



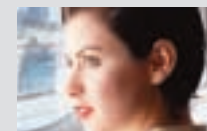
Advanced PureCinema



False Contours

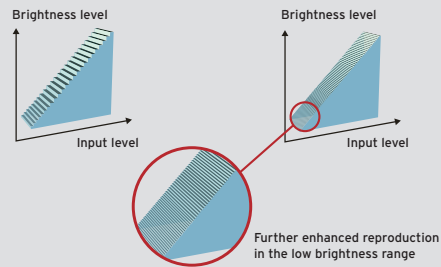


Conventional PDP

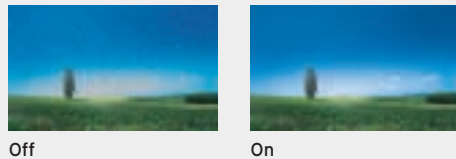


ACE II

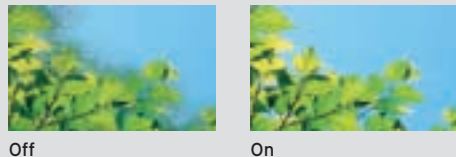
Brightness Increase



Digital Noise Reduction



MPEG Digital Noise Reduction



10-BIT 3D Y/C SEPARATION

NTSC (analog) video images are comprised of two signals, luminance (brightness information, expressed as "Y") and chrominance (color information, expressed as "C"). When analog video is played back, the Y and C signals must be kept separate or they'll interfere with one another. The result is video noise in the form of the dreaded "dot crawl" – distracting, visible dots moving along the edges of images. To combat this, the Elite plasma displays include a PureDrive-powered processor that features 10-Bit 3D Y/C Separation, effectively keeping the Y and C signals separate. This feature enables a significant improvement to the integrity of the images.

DIGITAL AND MPEG NOISE REDUCTION

Digital video and MPEG video both use compression that can create unwanted noise. "Digital noise" often appears as a checkerboard pattern on solid images like the sky or skin. "MPEG noise", also known as "mosquito noise", appears as a fuzziness around the edge of an image. The Elite PRO-1110HD and PRO-910HD are designed to greatly reduce both types of noise, for a higher level of realism.

NATURAL RE-SIZE

Many plasma displays allow the user to select a screen mode best suited to the material being viewed – for example, when watching a regular 4:3 TV show on a 16:9 widescreen monitor, the image can be stretched to fill the entire screen. But in nearly all plasma displays, that stretching process causes problems such as blocky, fuzzy, or over-stretched images. The Elite PRO-1110HD and PRO-910HD have an industry-exclusive Natural Re-Size function that re-shapes the picture and allows it to maintain a natural appearance, without adding the artifacts that deteriorate picture quality.

DYNAMIC RANGE EXPANDER (D.R.E.)

So, you're watching a movie and an actress with jet-black hair is wearing a bright white shirt – a high-contrast situation that gives nearly all plasma displays trouble. Usually, if her hair color is a true black, her shirt will appear as a slightly dull off-white. Or, her shirt will be pure white but her hair isn't a true black. And, of course, it doesn't help to adjust your brightness because either the hair or the shirt will lose its true value. Enter Dynamic Range Expander (D.R.E.). With enormous processing power, D.R.E. manages to raise the values of both lights and darks, noticeably improving the contrast ratio and creating a more vivid presentation.

NATURAL ENHANCER

Another technology that the Elite PRO-1110HD and PRO-910HD use to deliver such a stunningly sharp picture is Natural Enhancer, an industry first. On any source, analog or digital, PureDrive-powered Natural Enhancer cleans up those wavy Moire ("moray") patterns and enhances the contrast at the edges of images – rendering a clean, detailed picture.

DIGITAL COLOR TRANSIENT IMPROVEMENT (C.T.I.)

Run-of-the-mill plasma displays have a hard time accurately rendering a colored image laying over another colored image – for example a man in a dark blue jacket standing against a red wall. The usual result is a dithered pattern and an unwanted combination of colors where the two images intersect. Digital Color Transient Improvement (C.T.I.), a Pioneer PureDrive development, smoothes out edges of color images so that they're more distinct, and colors are reproduced more accurately.

DIGITAL CHROMA DECODER

Color noise is another form of analog video interference – noticeable speckled imperfections seen within solid colors on your screen. The Elite PRO-1110HD and PRO-910HD feature a 10-bit Digital Chroma Decoder to reduce noise and provide better frequency response, for pure, clean colors.

COLOR MANAGEMENT

Exclusive to the Elite PRO-1110HD and PRO-910HD, Color Management enables greater control of colors, selectively boosting or scaling back values to match the actual image without affecting other colors on the screen. As you can imagine, this takes a lot of processing power, but it results in far more accurate reproduction. Two examples: Color Management will enhance a flowering tree without distorting the blue sky behind it; and facial skin tones will be reproduced more accurately without discoloring the subject's clothing.

MULTI-WINDOW DISPLAY

OK, admit it: sometimes you want to watch two shows at the same time. Picture in Picture (one full-screen image with a smaller image inset) has been around a long time, but now Multi-Window Display takes dual-material viewing to new levels: it lets you display any combination of HDTV, NTSC, and even a computer, either as twin images (50/50 split screen) or as Picture in Picture. Watch pro football on HDTV alongside fantasy football from your PC. Two college bowl games, two music specials...OK, you get the picture.*

A MULTIMEDIA MONITOR FOR PC AND MAC

An Elite PureVision plasma display makes an exceptional monitor for a PC or Mac laptop

computer. The high-definition native resolution of our 50" models is 1280 x 768, and for 43" models it's 1024 x 768, so charts, graphs, the Web, and full-motion DVDs will all look clean and crisp. And of course you can display more than one application simultaneously, using either Picture-in-Picture or 50/50 split screen.*

SELECTABLE SCREEN MODES

Whether you're watching regular (analog) television, a DVD, or an extreme wide-screen movie, all Elite PureVision models enable you to adapt the panel's image to the source, for optimal viewing.

FROM NTSC TO HIGH DEFINITION

With all Elite PureVision plasma displays, you'll be able to watch NTSC (analog) broadcasts, plus three types of ATSC digital broadcasts: Standard-, Enhanced-, and High-Definition. Because the Elite plasma panels feature true high-definition native resolution, everything you watch will be maximized for the highest quality, whether it's high-definition or NTSC. In fact, all Elite panels automatically up-convert video from any source – including regular TV – to a 768 progressive display.

Keep in mind: when a manufacturer says its plasma panel is "high-definition compatible", this does not mean it has a high-definition

native resolution. It will display an HD broadcast, so you'll see an image, but picture quality will be reduced due to the panel's lower performance capabilities.

MEDIA RECEIVER AND SPEAKERS

The Elite PRO-1110HD and PRO-910HD are plasma televisions: in addition to the plasma panel itself these systems include a media receiver, stereo speakers, and a color-matched swivel stand.

Media Receiver: This outboard component delivers both terrestrial broadcast ATSC (digital) and NTSC (analog) programming, with connections for satellite, cable, and a computer. It offers connectivity for a range of video and audio components, including the new HDMI, or High Definition Multimedia Interface, discussed on page 8.

Speaker System: Contains newly developed 3-way speakers with soft-dome tweeter. The two speakers are side-mounted, either flush or recessed. The system features SRS WOW®, further enhancing your list of options to include 3D sound and better bass reproduction.

Stand: New, stylish tabletop stand with matching black finish. It swivels 20 degrees for optimal viewing convenience.

* In order to maintain longevity, certain precautions must be taken when using a computer interface with the television.

Natural Enhancer



Conventional PDP

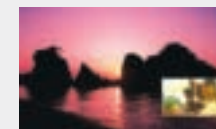


Pioneer's Natural Enhancer

Multi-Window Display

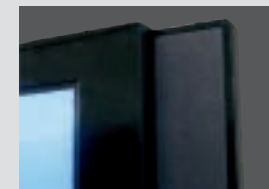


2 Split Screens (with PC)



Picture in Picture

Side-Mounted Speaker Option



HDMI INTERFACE

All Elite PureVision plasma displays feature a new type of all-digital input called a High Definition Multimedia Interface, or HDMI. This high-bandwidth consumer interface allows huge amounts of very high quality data – such as uncompressed HDTV signals – to be input at high rates of speed, up to 5 Gbps. This leaves a lot of spare capacity for future applications; for example, a current uncompressed HD movie “only” requires 2.2 Gbps. Another big advantage of HDMI: it doesn't perform unnecessary A/D and D/A conversions, so the signal remains in a pure, digital state. This lossless process delivers a higher image quality level.

HDMI offers plug and play capability and accommodates all of the current ATSC digital television formats, plus it supports up to eight channels of audio. And despite HDMI's huge bandwidth power and the ability to accommodate both audio and video, the plug itself is substantially smaller than the plug for DVI, the computer industry's video-only transmission medium. So, if the shortest distance from your digital cable box to your plasma display happens to be straight through a wall...small size can be a big advantage.

ISF MODE

To further customize your viewing experience, the Elite-exclusive ISF Mode enables your PTV to be optimized for the specific room in which you've placed it. As an optional service available through your Elite dealer, an ISF professional can calibrate contrast, tint, and other parameters to best fit your exact environment, both for day and night viewing. Once these calibrations are made, ISF becomes a preset mode that lets you make fine adjustments to color and image values.

PRO-1000HDi

50" PureVision Plasma Display



- HDMI Inputs with HDCP for Digital Connections
- PureCinema II 2:3 Pull Down Film Detection
- Automatic Format Conversion of Any Source to 768 Progressive Display
- Pure Color Filter for Improved Color Accuracy

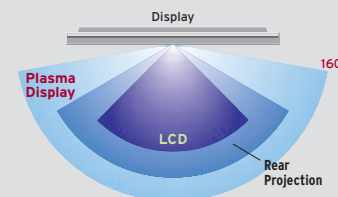




- HDMI Inputs with HDCP for Digital Connections
- Automatic Format Conversion of Any Source to 768 Progressive Display
- PureCinema II for Quick 2:3 Pull Down Film Detection
- Pure Color Filter for Improved Color Accuracy

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

PURECINEMA II



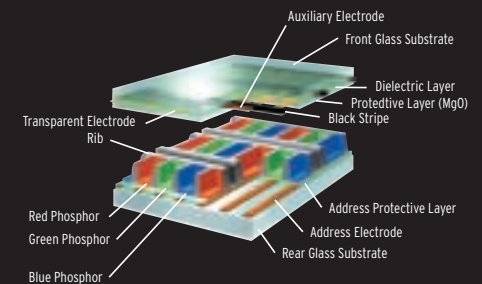
Wide-angle Viewing

WIDE ANGLE VIEWING

Elite plasma panels let you sit almost anywhere in the room without missing a pixel. Their wide viewing angle surpasses both rear projection monitors and LCD panels, with exceptional uniformity in color and brightness.

BLACK STRIPE COATING

Thinking of placing your Elite PureVision plasma panel in a well-lit room? Not a problem: Pioneer places a patented black coating between each row of plasma cells, absorbing the light hitting the panel. This significantly reduces reflections coming back to your viewing position and nearly doubles the effective contrast. You'll see blacker blacks and a more detailed picture, without having to pull the curtains or turn off the lights.



REFERENCE THEATER MODE

Pioneer's Reference Theater Mode (RTM) goes to great lengths to make the picture on your screen look like it does on the big screen. In RTM Mode, the color temperature is set to the ISF beginning point: 6,500 degrees Kelvin. This enables the PTV to reproduce film images with the most perfect white balance. RTM then automatically initiates the Scan Velocity Mode, while switching off the Sharpness circuitry. It sets the new Adequate Wave Form Response Filter for the movie setting, enabling the PTV to reproduce films with natural outlines, free of artifacts and "ringing." RTM also switches off the Flesh Tone circuit, to ensure accurate color reproduction. Now: enjoy the movie.

PURECINEMA III TECHNOLOGY

If you're not watching a movie on a Pioneer TV with PureCinema III, then you're not getting the whole picture. PureCinema III technology enhances both film- and video-based signals to create film-like viewing.

Film-based format: Automatically detects NTSC 3/2 film-based sources, then recreates each individual film frame, resulting in a picture free of motion artifacts.

Video-based format: Automatically detects NTSC live, video-based sources, then processes the signal with advanced motion detection to create the new progressive image.

PRO-730HDi

64" High Definition Projection Monitor



- Certified ISF Color Calibration Mode
- Reference Theater PRO Mode
- PureCinema III™ Format Converter
- Scratch Resistant Anti-Reflective Panel



Blue Achromatic Lens

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

PURECINEMA III™

PRO-530HDi

53" High Definition Projection Monitor



- Certified ISF Color Calibration Mode
- Reference Theater PRO Mode
- PureCinema III™ Format Converter
- Scratch Resistant Anti-Reflective Panel



Standard 0.72 mm Lenticular Screen

Elite Ultra-Fine 0.52 mm Lenticular Screen

HDMI INTERFACE

Elite PTVs feature an HDMI interface, which allows huge amounts of very high-quality audio and video data – such as uncompressed HDTV signals – to be input at high rates of speed, up to 5 Gbps. Because HDMI is a lossless transmission medium, it doesn't perform unnecessary A/D and D/A conversions, so the signal remains in a pure, digital state. HDMI offers plug and play capability and accommodates all current ATSC digital television formats, plus it supports up to eight channels of audio.

BLUE ACHROMATIC LENS

To reduce over-saturation and that blurred halo effect seen around the peripheries of images on conventional PTVs, Elite PTVs employ a Blue Achromatic Lens that improves color saturation and produces crisp lines and a more realistic picture.

THE INDUSTRY'S FINEST LENTICULAR SCREEN

One of the most important elements to enhancing picture quality is also one that is often overlooked: the screen. All Elite PTVs employ a lenticular screen that includes light-capturing tiny ridges and grooves that are embossed onto the surface. These ridges are spaced at a mere 0.52mm apart – the industry's finest – to provide the best picture possible. Black striping is placed on this surface to reduce the reflection of ambient light, further improving an already superb picture.

Here's the next generation in DVD recording and playback.



DVD Recording & Playback

D V R - 5 7 H

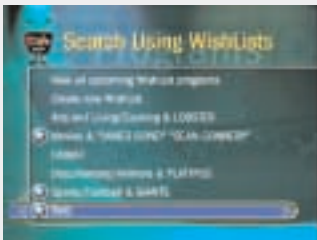
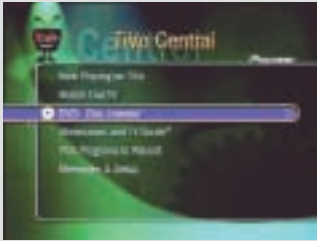
D V D Recorder with TiVo®



- 120GB Hard Disc Drive (Maximum 123 Hours Recording Capacity)
- Double-Layered Chassis
- TiVo™ Basic Service Included; Upgradeable to TiVo™ Plus Service*
- 2:3 Progressive Scan with Faroudja DCDi Processing



A DVD recorder with built-in TiVo service and 120Gb hard disc. DVD players with high-resolution DVD-Audio and SACD playback, plus advanced I.LINK and HDMI interfaces for fast, pure signal transmission. This is home theater in the fast lane, and there's no turning back.



TiVo™ Basic Service

The DVR-57H is a world's first, combining a DVD Recorder and the revolutionary TiVo™ Basic Service in one component. TiVo is by far the most popular of the "Digital Video Recorder" (DVR) services, and its integration with the DVR-57H makes a very powerful combination.

With the DVR-57H and TiVo, you can Find, Store, and Burn what you want, when you want.

Find It: The simple-to-use TiVo service will let you search for, find, and select individual TV programs to record. That way, you're in charge. So, no matter how busy you are, you'll never miss your favorite shows.

Store It: The 120GB hard drive provides up to 123 hours of temporary storage. Record a show tonight, watch it tomorrow or next week. Plus, you can actually control live TV: pause it, reverse it, play it in slow motion. You can even watch a recorded program from the beginning, while the recorder simultaneously finishes the recording. All of these functions are very simple to use.

Actual recording capacity varies depending upon the type of programming being recorded.

Burn It: Programs stored on the hard drive can then be copied onto a DVD. You can create an extensive DVD library of your favorite movies, shows, sporting events, even your own home movies, that can be played in most DVD players.

WITH TIVO, THERE'S NO GOING BACK

Once you experience the TiVo conveniences delivered by the DVR-57H, there's no going back to the old way of watching and recording TV. Here are a few additional TiVo features:

- Schedule and then record programs on the hard drive while playing a DVD.
- Play programs from the hard drive while recording a different program from the hard drive to a DVD.
- Watch a program from the beginning while the recorder simultaneously finishes the recording.
- Transfer content at high speeds from the hard drive to a DVD for long-term storage.

GETTING STARTED WITH TIVO

- TiVo Basic™ service is included with the DVR-57H; you don't have to do anything else and there's no fee. Once you make

the necessary connections, the TiVo interface appears on your display.

- TiVo Set-up uses an easy on-screen navigator that walks you through the process, which initially takes only about one hour.
- Whether you get your TV signal via cable, digital cable, satellite, antenna or a combination thereof, TiVo has you covered. It holds a database of over 13,000 channels covering the United States. (To use both satellite and cable at the same time, an upgrade to the TiVo Plus™ service is required. For more on TiVo Plus™, please see the following section entitled "The TiVo Plus™ upgrade.")
- Once it knows what channels you receive, TiVo lets you find the programs you want to view or record. The DVR-57H includes connections for telephone and broadband so that program guide information for the next three days can be updated on a regular basis (the DVR-57H contacts TiVo for updates automatically).

THE TIVO PLUS™ UPGRADE*

For even more convenience and flexibility, a higher level of TiVo service is available. Called TiVo Plus™, it offers these additional programming features:

- **14-day Program Guide Data:** Provides programming data for the next 14 days – vs. 3 days with TiVo Basic™ – so finding future shows and selecting them for



Status Bar

recording is even easier.

- **Season Pass™:** Automatically records every episode of your favorite shows, every time they're on, even if the schedule changes. You can even skip the repeats!
- **WishList™:** Records every show based on your interests, such as a favorite actor or favorite sports team. Oriental cooking or ancient Rome. All home décor shows. All (fill in the blank) shows. How easy is that?
- **Search by Title:** Want to find a specific movie or show title? Enter it into an on-screen field using the remote, and TiVo will find it. If it's on in the next 14 days, that is.
- **TiVo Suggestions:** This is smart recording. The remote control includes Thumbs Up and Thumbs Down buttons; give TiVo a Thumbs Up on a show, and it will suggest similar shows to watch. Thumbs Down, and it won't go there again.

You can upgrade from TiVo Basic™ to TiVo Plus™ at any time, directly through the TiVo website at www.tivo.com/upgrade.

TIVO HOME MEDIA OPTION™ **

As a premium feature package, TiVo offers a Home Media home networking capability that features the following:

- **Digital Music:** Play mp3s stored on your computer using the TiVo easy interface.
- **Digital Photos:** View your digital photos on a TV.

- **Remote Scheduling:** Schedule TiVo recordings on your DVR-57H from anywhere in the world via the Web.

- **Multi-Room Viewing:** Transfer recordings between TiVo Series 2 DVRs in your home – now you can record a program on your living room DVR and watch it on your bedroom DVR!

*TiVo Plus service requires subscription fee. Pricing, terms and conditions subject to change. Receipt of TiVo Plus service is subject to the terms and conditions of the TiVo service agreement.

**Requires upgrade to TiVoPlus and purchase of Home Media Option premium feature package; additional equipment and fees required. For details see www.tivo.com/media

DCDi™ BY FAROUDJA

When material originally shot on video (as opposed to film) is up-converted from standard definition (480i) to enhanced definition quality (480p), the process calls for some new video information to be created. Overall, this "interpolation" greatly improves picture quality, but during fast-paced material such as pro football and hockey it often causes the problem of unwanted jagged edges (jaggies) along diagonal lines. The DVR-57H utilizes a technique called Directional Correlation De-interlacing, or DCDi™, a video mode algorithm that monitors edge transitions and fills in any information gaps that cause the jaggies. With DCDi™, edges are smoother and more natural, and the overall picture quality is improved.

HOME  OPTION™



A 120GB HARD DRIVE

The DVR-57H includes a king-sized 120-GB hard drive that allows you to record material – off the air, cable, satellite, transfer your home movies, you name it – for short-term storage and viewing. You can then decide what to do with the material: keep it for repeat viewing, delete it, or record it onto DVD-R for permanent storage. One-of-a-kind shows and home movies are prime examples of content you'd want to permanently archive, using a DVD-R so they cannot accidentally be erased. DVD-RW can be used for sharing content with friends and for temporary storage (material recorded on a DVD-RW can be written over).

How much material will fit on a 120-GB hard drive and on a DVD? It depends upon the recording quality you select. Here are the recording capacities for each by quality level:

Quality	Recorder	DVD
Extreme (Fine) Quality	22 Hours	1 Hour
High (SP) Quality	42 Hours	2 Hours
Medium (LP) Quality	84 Hours	4 Hours
Basic (EP) Quality	123 Hours	6 Hours

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DVD RECORDERS

Compared to its analog ancestor the VCR, a DVD recorder is faster, easier to use, and delivers vastly superior sound and picture quality.

Video Quality

DVD recorders provide far higher video quality vs. videotape, both in recording and playback. The detail and color accuracy of DVD is a clearly visible advantage over tape.

Audio Quality

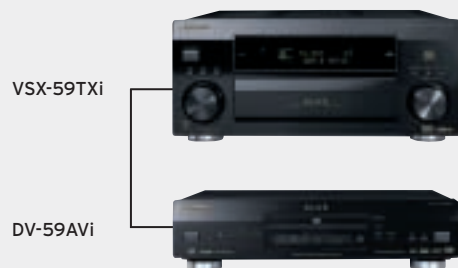
DVDs provide digital audio for playback and recording, vs. analog audio on videotapes. For playback, most DVD movies are encoded with 5.1-channel surround sound information such as Dolby Digital or DTS, which greatly enhances the entertainment experience. Plus, DVD recorders record in Dolby Digital 2-channel audio.

Disc Durability

Videotapes, regardless of format, will deteriorate with time. Temperature extremes and overly moist or dry conditions will adversely affect tape. Also, because the tape must run across a machine's tape heads for playback and recording, repeated use will eventually weaken a tape. DVD discs are far more resistant to moisture and temperature, so the discs will last far longer than tape and not lose quality. This is especially important for one-of-a-kind videos that you'll want to save for future generations.

Speed

Unlike videotape, DVDs do not have to be recorded in real time, and record speeds can in fact reach up to 18x, saving you hours. Also, with DVD-RW discs the machine will search for empty recording space on the disc, vs. having to manually hunt for it on a videotape. Once recorded, DVDs enable you to jump to a section rather than using videotape's painfully slow "<<<" and ">>>".



Connection using I.LINK

FAST, EASY HARD DRIVE-TO-DVD COPYING

Recording material from the hard drive to DVD goes very quickly. The DVR-57H features more than 18x record speed, so you'll be able to dub a 2-hour program to DVD in basic EP quality mode in less than 7 minutes. The material remains in a digital state throughout, so there's no loss of picture quality. And for even more flexibility, you can record content to the hard drive while dubbing different content from the hard drive to a DVD. DVD recordings are made in Video Mode, so your newly recorded discs will play in nearly all DVD players, including of course your DVR-57H.

DIGITAL 3D NOISE REDUCTION

The DVR-57H includes a sophisticated noise reduction circuit which can achieve an amazing 6-10dB of noise reduction, without introducing artifacts or decreasing sharpness. You'll experience a much cleaner picture that is virtually free of noise.

DIGITAL TRANSMISSION

It's not enough for a source component to provide signal purity only in its internal circuitry; it also must provide ways to output the signal in its purest form and with high speed, for optimal quality and convenience. Here are three methods used by Elite DVD recorders and players to achieve this goal.

HDMI

The DV-59AVi features a new type of all-digital output called a High Definition Multimedia Interface, or HDMI. This high-bandwidth interface allows huge amounts of very high quality data – both video and audio – to be output at high rates of speed, up to 5 Gbps. This leaves a lot of spare capacity for future applications. Another advantage of HDMI: it doesn't perform unnecessary D/A and A/D conversions, so the signal remains in a pure, digital state. This lossless process ensures the highest quality level.

HDMI offers plug-and-play capability and accommodates all of the current ATSC digital television formats, plus it supports up to eight channels of audio. And despite HDMI's huge bandwidth power and the ability to accommodate both audio and video, the plug itself is substantially smaller than that of the older and more limited DVI, which handles only video. HDMI is compatible with Elite plasma displays and projection TVs (latest models) with HDMI inputs. And it's backward compatible with the DVI inputs on Pioneer rear-projection TVs (an HDMI-to-DVI cable is required and audio is not transferred out the DVI cable). (DV-59AVi)

I.LINK

Today's sophisticated multi-channel recordings deliver a level of sound quality unlike any that came before. In order to deliver these new digital signals, new methods of transmission were developed. I.LINK

connectivity, a.k.a. IEEE1394, allows you to simplify your system and expand its performance at the same time. It's an advanced digital interface that provides single-wire transmission of new music formats such as DVD-Audio and SACD. In addition, I.LINK streamlines connection between the source player and a similarly equipped receiver (such as our VSX-49TXi, VSX-55TXi, and VSX-59TXi): what used to take up to six different connections to achieve, I.LINK handles with one simple digital connection. Because of its high levels of quality and convenience, the non-proprietary I.LINK has become the industry standard for transmitting high-resolution multi-channel recordings. (DV-59AVi and DV-47Ai)

PIXEL CONVERSION IC

The more pixels, the better the picture. The DV-59AVi contains a Pixel Conversion IC that automatically increases the pixel count from progressive 480 x 720 to an amazing high-definition progressive 1280 x 720 or 1920 x 1080i. The signal generated by the MPEG decoder passes through the IC where the pixel count is increased, then is output via HDMI to an HDMI-capable TV or monitor (There is a variety of Elite plasma displays and rear-projection TVs with HDMI inputs.) This pixel conversion applies to all material whether it's video or film and regardless of source (DVD, TV, cable, etc.), and the visible result is a denser, higher-quality picture. (DV-59AVi)

DV-59AVi

DVD Player with Multi-Channel DVD Audio and SACD Playback



- 14-bit/216 MHz DAC for Video Output Processing
- T-Rex Pixel IC Conversion
- Burr Brown PCM1738EG-3 Chipsets (3) for all Audio Processing
- HDMI - High Definition Multimedia Interface (Video, 2ch LPCM Digital Output)
- i.LINK - Advanced Resolution Digital Audio Interface (IEEE-1394)

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

PURE CINEMA



DVD PLAYERS THAT PUT YOU IN CONTROL

Elite DVD players give you the power to make adjustments to your taste, with select models even offering three user memories (DV-59AVi, DV-47Ai, DV-45A) to recall your settings.

- **Progressive Motion:** Maximizes the Progressive circuit for the type of video-based DVD you're watching: SLOW for mostly static pictures, FAST for fast-moving pictures.
- **Component Frame Digital Noise Reduction (DNR):** Independently reduces noise in the luminance and color signals.
- **Mosquito Noise Reduction:** Reduces distortion concentrated near the edges of moving objects. (DV-47Ai)
- **Block Noise Reduction:** Reduces noise associated with the digitization process used in DVD production. (DV-47Ai)
- **Black/White Levels:** You can independently adjust the black and white levels for optimal contrast.

PureCinema Progressive Scan

PureCinema's advanced circuitry achieves high conversion accuracy by actually re-creating the original frames of a film and displaying them in a 3-2 order (called 3-2 pull-down), matching the output to television standards. This creates natural, film-like, flicker-free images that are smooth and virtually free of bothersome artifacts on moving objects. (DVR-57H, DV-59AVi, DV-47Ai, DV-45A, DV-F07, DV-C36).

Triple-Layered Construction

To protect very sensitive ICs and video processors, Pioneer designed a triple-layered construction underneath the DV-59AVi to increase the isolation of the components from vibration.

DVD-AUDIO AND SACD

DVD-Audio (DVD-A) and Super Audio CD (SACD) represent the future of audio on disc: high-density, high-resolution music that is miles ahead of CD. The music is bigger, more detailed, and more open, and you will definitely hear the difference – especially if played back on an Elite DVD player.

DVD-Audio

More data. A DVD-A disc can hold 4.7 GB of data, seven times that of a regular CD. Rather than use this huge data area to just add more CD-quality songs, it's being used for.....

Better music. This is the key. With all that data area, music can be formatted into two channels (stereo) at a 192kHz, 24-bit rate, which may be the highest level of quality you will hear in your lifetime. Or, into six channels at a 96kHz, 24-bit rate, creating a full-octane, 5.1 surround field that swirls around you.

Visuals. Besides great music, some DVD-A titles have photo slide shows, song lyrics, artist interviews, and even music videos as supplemental content. Video is not the main focus for DVD-A, but these extras are nice, especially when they focus on a favorite artist.



D V - 4 7 A i

DVD Player with Multi-Channel DVD Audio and SACD Playback



- PureCinema Progressive Scan (2-3 Pulldown by VQE7)
- 108MHz/12-bit Video DAC with NSV Technology for High-Quality DVD Video Reproduction
- Plays: DVD Audio, SACD, DVD Video, MP3, CD, Video CD, CD-R, CD-RW, DVD-R and DVD-RW
- I.LINK (Advanced Resolution Digital Audio Interface) Audio Outputs

D V - 4 5 A

DVD Player with Multi-Channel DVD Audio and SACD Playback



- PureCinema Progressive Scan (2-3 Pulldown)
- 54MHz/10-bit Video DAC for High-Quality DVD Video Reproduction
- Plays: DVD Audio, SACD, DVD Video, MP3, CD, Video CD, CD-R, CD-RW, DVD-R and DVD-RW
- Triple 192KHz/24-bit (3x2) Audio DAC for High-Resolution Sound Reproduction

DV-F07

300 + 1 Disc DVD/CD/VCD/CD-R/CD-RW Player



- On-Screen Disc Management
- Keyboard or Mouse Title Input
- Dolby® Digital and DTS Digital Outputs
- Hi-Bit Legato Link Conversion

DV-C36

Digital Progressive Scan 5-Disc
DVD/CD/CD-R/VCD Carousel Player



- Digital Progressive Scan Output
- 10-bit/54MHz Video Processing
- Hi-Bit Legato Link Conversion
- Digital Video Parameters Adjustments
- Double Layer Chassis Construction

DVD-AUDIO AND SACD

SACD

Better Music. Although SACD is encoded differently than DVD-A, it also features ultra-high-resolution, multi-channel music that's clearly superior to regular CD.

More Data: SACD discs can hold about 4GB of data and currently come in three types (all three can be played by an SACD-compatible player)

Single-Layer: One layer of high-density data is dedicated to either very high-resolution stereo (two-channel) or multi-channel music.

Dual-Layer: Two high-density layers, otherwise same as above. The two layers give you more great music.

Hybrid Discs: Two layers, but one layer is for high-density SACD music, the other for regular CD audio. This is the only type of SACD disc that can be played on a regular CD player – which can only reproduce the CD Audio layer. Why would you want such a disc? You can play the high-density layer in your home player, and the CD layer in your car or portable CD player.



SUPER AUDIO CD

Pioneer's philosophy on great sound reproduction? Just listen.



A/V Receivers & Amplifiers

VSX-59TXi

THX Ultra II Certified 7.1 Channel
A/V Receiver



- 150 Watts x 7 MOSFET Amplification
- Dolby Pro-Logic IIx
- I.LINK Advanced High Resolution Digital Audio Interface
- Advanced MCACC - Multi-Channel Acoustic Calibration
- New LCD TouchSmart Remote



We call it the Advanced Multi-Channel Stereophonic Philosophy, and its principles drive Elite receiver design. It demands the highest quality parts; continuous partnering with world-class sound engineers; and precise audio reproduction. Sounds simple, but you can hear the results.

ADVANCED MULTI-CHANNEL STEREOPHONIC PHILOSOPHY

With more high-resolution content becoming available all the time, receivers must be able to reproduce detailed information with high precision and accuracy. With this in mind, Pioneer created its Advanced Multi-Channel Stereophonic Philosophy to guide the development of Elite receivers, thus ensuring accurate transmission of information from circuit to circuit without adding or taking anything away.

The key principles of this philosophy are:

Highest Quality Equipment

The use of the highest quality parts and superior design and construction ensure the ultimate in sound quality.

Precise Sound Reproduction

Pioneer MCACC automatically calibrates your system's sound characteristics to create perfect audio for your media room – just like in the recording studio.

Professional Expertise

AIR Studios has collaborated on this concept to provide professional sound-tuning techniques. Additionally, THX Ultra2 certification and the latest surround formats let the artistic qualities of the sound shine through.

The tangible result of Pioneer's Advanced Multi-Channel Stereophonic Philosophy is exceptional fidelity both in traditional stereo and multi-channel recordings.

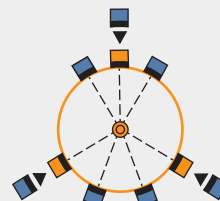


V SX-55TXi

THX Select Certified 7.1 Channel A/V Receiver



- 100 Watts x 7 MOSFET Amplification
- Advanced MCACC - Multi-Channel Acoustic Calibration
- I.LINK Advanced High Resolution Digital Audio Interface
- SACD Direct Mode



Automatic Mutual Distance Adjustment

MCACC (Multi-Channel Acoustic Calibration System)

Just like musical instruments, home theater systems need to be tuned for optimal performance in their physical environment. The question is: how can you fine-tune your home theater system without an expert's help?

The answer: Pioneer's Multi-Channel Acoustic Calibration System, or MCACC. MCACC is a full realization of Pioneer's Advanced Multi-Channel Stereophonic Philosophy and the world's first fully automated acoustic calibration system. Featured in all Elite receivers, MCACC evaluates the acoustic characteristics of your media room and calibrates the system's components accordingly, for professional-level sonic performance. It works in any room, regardless of shape or size.



Air Studios Room

MEASUREMENT AND CALIBRATION

The MCACC function sends out pink noise signals and test tones that are read by a sensitive calibration microphone, measuring the response from each of the multi-channel speakers in your system. MCACC then performs these five processes:

- Checks for the absence or presence of connected speakers.
- Detects speaker size (large or small) and positions in the room.
- Equalizes the differences created by the speakers' various room positions.
- Neutralizes the differences in sound pressure level.
- Performs two separate equalizations for the room and for your speakers. Once set-up is complete, you can select one of these two EQ settings:

*All-Channel EQ: equalizes all speakers to neutralize ambient reflections and create a much flatter frequency response.

*Front Alignment EQ: equalizes only your "effect speakers" (center, surround right and left, surround-back right and left) to match the tonal character of your main front right and left speakers. If you prefer to have your main speakers "left alone", select this setting.

In addition, the VSX-59TXi enables you to actually view your room's EQ curves – before equalization – on your PC, via an RS232c interface.

GREAT HOME THEATER IN YOUR HOME

The benefits of MCACC can be significant and very audible. Here are just a few:

- A more natural sonic mix between speakers and a much wider sound stage.
- True 3-dimensional sound field, especially from surround speakers.
- A longer reverb that is more like that of the original soundtrack.
- More sonic detail. Now, certain sounds which were previously masked by other sounds can be heard for the first time on your system.

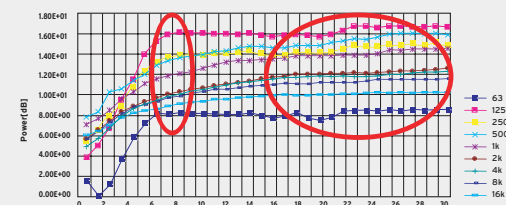
With MCACC, you can have the ultimate home theater – one that is customized for your own home.



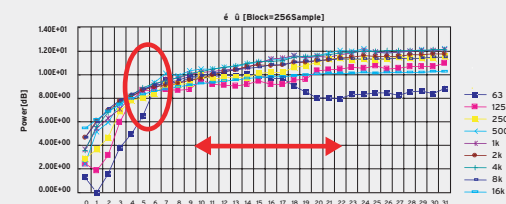
Calibration Microphone



Room Frequency Response by Channel



Before MCACC

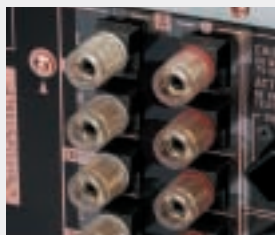


After MCACC

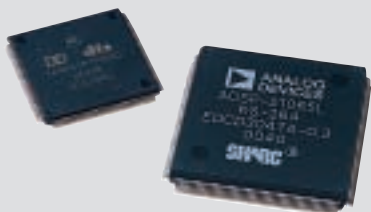
**3D Space
Frame
Construction**



**Speaker
Terminal**



Sharc and Motorola Chips



Versatile Inputs and Outputs

All Elite receivers provide a wide range of digital inputs and outputs; the VSX-59TXi and VSX-55TXi also include an I.LINK interface and a USB plug-and-play port.

I.LINK

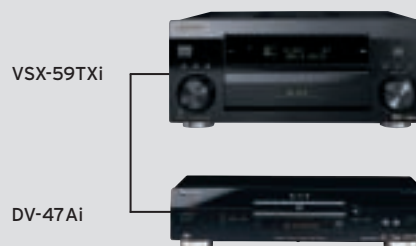
Today's high-resolution multi-channel formats, such as DVD-Audio and SACD, deliver an entirely new level of sound quality. Because DVD-A and SACD recordings contain far more data than regular CDs – and include copy-protection encryption as well – a secure, big-bandwidth transmission method was required. As a result, the industry adopted an already-proven digital interface that met these requirements and harnessed its power for digital audio. This digital interface is called I.LINK.

Simpler and Better

I.LINK connectivity, a.k.a. IEEE1394, allows you to simplify your system and improve its performance at the same time. It's an advanced digital interface that provides jitter-free transmission of all 2-channel, multi-channel, and new-music formats between similarly equipped components. I.LINK also streamlines the connection: what used to take up to six separate cables to achieve, I.LINK handles with one simple wire.

Two-way Communication

I.LINK enables two-way communication between components, so control data and other messages can be sent back and forth. When an Elite I.LINK receiver is connected to an I.LINK DVD player, their communication enables Auto-Source Switching, Auto-Play, and other time-saving shortcuts.



PROCESSING POWER

All Elite receivers feature powerful, high-end audio processing for the most realistic sonic experience possible.

The VSX-59TXi employs professional-grade Motorola and Sharc processors that form the digital engine of this high-octane receiver. They provide all of its key digital decoding and high-level processing including MCACC, Dolby/DTS/THX surround, noise reduction, and equalization for all 6.1 channels and all 7.1 speakers. These high-performance processors feature extremely low jitter and superb reproduction accuracy.

The VSX-59TXi, VSX-55TXi, and VSX-53TXi each contain a high-grade 192kHz/24-bit D/A converter for each of the 7 channels, ensuring that signal purity is maintained from input to output.

Employing Pioneer's legendary Legato Link and Hi-Bit technologies, the Hi-Bit Audio Scaler dramatically improves sound quality from CDs and DVDs, approaching DVD-Audio's extended frequency and wide dynamic range (VSX-59TXi, VSX-55TXi, and VSX-53TXi). However, the VSX-59TXi processes all sound formats at 96 kHz/24-bit resolution.

Home Theater Sound Formats

Because different movies are encoded with different surround sound technologies, a top receiver must be able to decode all of the key technologies with power and precision.

THX THEATER SOUND REPRODUCTION

THX was created to achieve maximum accuracy in the reproduction of movie sound, right there in your media room. Currently there are two certification levels that an audio-video receiver may attain: THX Ultra2 and THX Select. THX Ultra2 (featured in the VSX-59TXi) is the latest generation of THX certification, ensuring optimum playback of

all multi-channel music and movie formats. THX Select (VSX-55TXi and VSX-53TX) is more suited to the size and listening distances of the average U.S. living room, without compromising the strict THX standards for excellence.



DOLBY PRO LOGIC II, DOLBY DIGITAL 5.1, DOLBY DIGITAL EX

All Elite receivers include these three surround sound processing technologies. Dolby Pro Logic II, an advanced version of the original, decodes the Dolby Surround signal, with performance approaching Dolby Digital 5.1. The new VSX-59TXi features Dolby Pro-Logic II, which delivers the most natural, full range and immersive 7.1 channel surround listening experience available from any stereo or 5.1 channel playback source. For more precise surround sound, Dolby Digital 5.1 sends discrete surround information to five speakers – two fronts, a center, and two rears – plus a sub (that's the ".1"). Dolby Digital EX offers even more dimensional detail than 5.1, additionally decoding a back surround channel to make 6.1 discrete channels.



DTS NEO:6, DTS 5.1, AND DTS-ES (ALL MODELS)

DTS (Digital Theater Systems) delivers several surround sound technologies that feature wide frequency and dynamic range, for superior localization and intense sound effects. DTS NEO:6 is a matrix system that derives up to six main channels from any two-channel source, analog or digital, with three surround channels: left surround, right surround, and back surround. DTS 5.1 decoding provides five discrete speaker channels plus a subwoofer channel. To this, DTS-ES adds an additional back surround channel to create a true (not matrixed) 3-dimensional surround field.

DTS 96/24 (VSX-59TXi, VSX-55TXi AND VSX-53TX)

DTS 96/24 is the first compressed surround format technology to support high sound resolution of 96kHz/24 bits and multi-channel capabilities. The DTS 96/24 format enables high-quality multi-channel sound reproduction at 96kHz and 24 bits through 5.1 channels, without any degradation in the high picture quality of the DVD-Video format, thanks to its low compression rate of audio signals. DVD-Video movies or music can be enjoyed with a quality of sound approaching that of DVD-Audio and SACD.

ADVANCED SURROUND

All Elite models feature Advanced Surround, Pioneer's exclusive Digital Sound Processing (DSP) technology. Advanced Surround includes Advanced Cinema and Advanced Concert, which enhances movie soundtracks; and Music Surround, which transforms your listening room into a variety of virtual sonic environments.

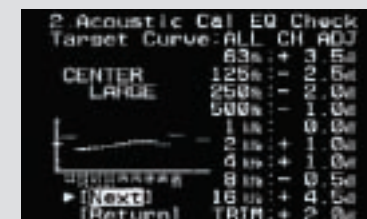
MULTI-ROOM AND MULTI-SOURCE

You're watching a DVD in your den and want to change tracks, but your DVD player is in the media room. Or the family wants to hear two different CDs – in two different rooms. Multi-Room and Multi-Source let you watch or hear what you want, where you want, controlling components from anywhere in the home.

EASY SET-UP AND OPERATION

Setting up and using an Elite receiver is easy. An on-screen GUI guides you through such tasks as assigning digital inputs, and setting time alignment. MCACC customizes your speaker system for your media room. I.LINK enables high-resolution digital audio transmission with a single wire and no signal loss. Elite receivers feature easy-to-read displays, intuitive remote controls and even an LCD touch pad remote with the VSX-59TXi. It's a level of convenience that matches the receiver's level of performance.

MCACC On-screen Display



MOSFET AMPLIFICATION

For optimal performance, the Elite VSX-59TXi, VSX-55TXi, and VSX-53TX receivers are equipped with MOSFET output transistors. These rugged transistors feature high current linearity and low signal loss, yet they're energy efficient and can generate high power even when all channels are being driven simultaneously. They're also ideal for driving low-impedance speakers.

SYMMETRICAL POWER TRAIN DESIGN

Accurate multi-channel sound reproduction is possible only when the operating environment is physically identical for all channels. For that reason, the power output devices for the three left channels (front, surround, and surround back) are mounted on the heat sinks symmetrically with respect to those for the three right channels, with the device for the center channel mounted directly in between. (VSX-59TXi, VSX-55TXi, and VSX-53TX)

3-D SPACE FRAME AND ISOLATED CHAMBER

The insides of the VSX-59TXi, VSX-55TXi, and VSX-53TX are divided by insulating shields into three blocks: the digital processor, power amplifier, and power supply sections. This construction design serves two purposes: it prevents the digital circuits from affecting the analog circuits, and it increases the rigidity of the cabinet structure. As a result, sound reproduction from any source is more accurate and imaging is improved.



Heat Sink

VSX-53TX

THX Select Certified 7.1 Channel
A/V Receiver



- 100 Watts x 7 MOSFET Amplification
- Advanced MCACC - Multi-Channel Acoustic Calibration
- Multi-Room and Source Custom Installation
- Dual Motorola 48-Bit DSP Processing

VSX-41

DTS ES/ Dolby Digital EX Receiver



- 110 Watts x 6 @ 8 Ohm
- Dolby® Digital-EX DTS-ES Discrete Decoding
- THX Re-Equalizer
- 96kHz / 24-bit DAC

EX-500

Slim 6.1 A/V Receiver & DVD-A / SACD DVD Player Package



- 100 Watts x 6 Amplification
- MCACC - Multi-Channel Acoustic Calibration
- PureCinema Progressive Scan
- Unified Receiver and DVD Player Remote

ES-1000DV

Complete Life Oriented A/V System with DVD-Audio, SACD and Progressive Scan



- 360 Watts Total System Power (.9% THD @ 1kHz)
- Single DVD/DVD-A/SACD/DVD-R/RW/MP-3 Playback
- High Resolution OEL Display (1.5m cable)
- Component Video Out (Gold)

A - 3 5 R

Integrated Amplifier



- 60W, 20Hz - 20,000Hz @ 4 ohms
- Direct Energy MOSFET Amplifiers
- Remote Control
- Amp Mode

M - 1 0 X

2-Channel Power Amplifier



- 100 Watts x 2 Direct Energy MOSFET Amplification
- "SR In" Terminal for Auto Power
- 4 ohm Stable
- Banana Speaker Terminals

P D - F 27 | 300+1 Disc Compact Disc Player



- Auto Disc Recognition System
- Hi-Bit Legato Link Conversion with 24-bit D/A Converters
- CD Text & Keyboard Title Input
- 50 Track Best Selection Memory

P D - F 17 | 100+1 Disc Compact Disc Player



- Roulette Rack System
- Hi-Bit Legato Link Conversion with 20-bit D/A Converters
- CD Text & Title Input
- Optical & Coaxial Digital Output

CT-05D

Double Auto Reverse Cassette Deck



- Legato Link Conversion
- Digital Process System with 20-bit A/D and D/A Converters
- Digital Noise Reduction
- Digital Super Auto BLE XD

RACKS

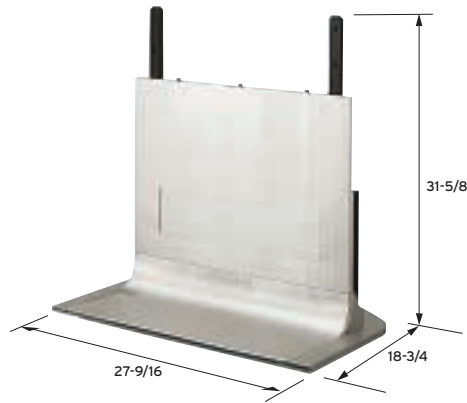
Elite Component Racks

RA-E64B Matching Component Rack for the PRO-730HDI
RA-E53B Matching Component Rack for the PRO-530HDI

59 1/2" H x 23 3/4" W x 23 3/8"
49 15/16" H x 23 3/4" W x 23 3/8" D



PureVision Accessories



PDK-FS03

Solid Floor Stand



Media Receiver can be mounted vertically onto the back of this stand or horizontally, with media receiver face flush with the stand front.



RA-E1011

Floating Floor Stand with Swivel

The monitor can swing 30 degrees to the right or left.

Swivel Table-Top Stand

(included with PRO-1110HD AND PRO-910HD)



Swivels 10 degrees clockwise or counterclockwise from center position

PDA-H03

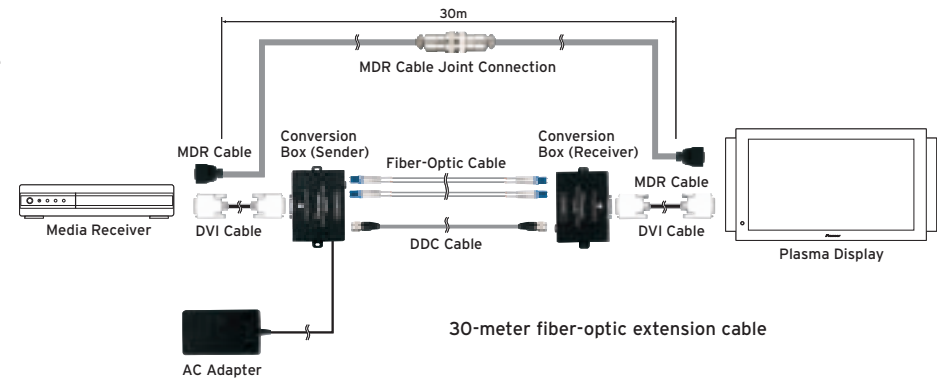
Extension Cable



10-meter coaxial extension cable

PDA-H04

Fiber-Optic Extension System



PWM-1011

Wall Bracket

waiting on image

PDWB-5003

Wall Bracket

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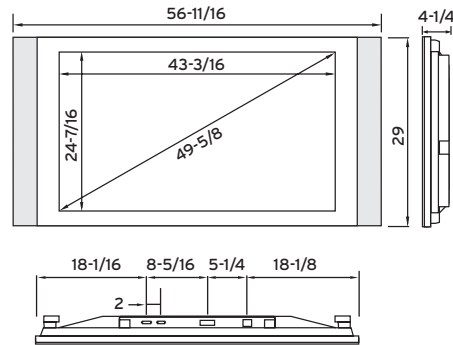
PWM-503

Angled Wall Bracket

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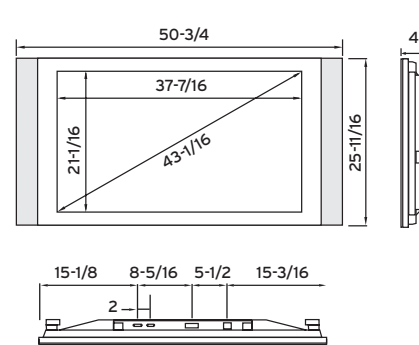
PRO-1110HD

● with speakers attached to sides

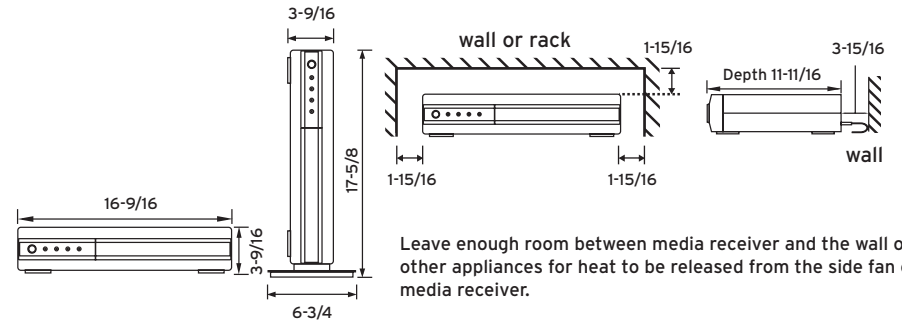


PRO-910HD

● with speakers attached to sides



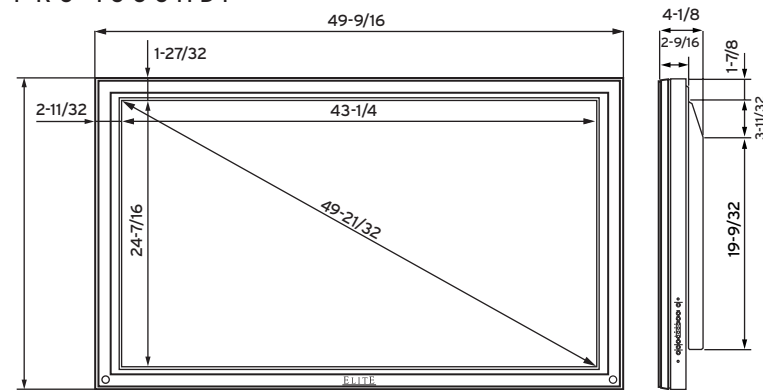
PRO-1110HD/PRO-910HD Media Receiver



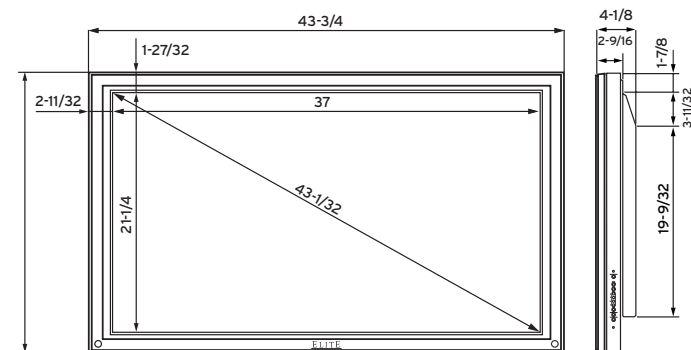
Leave enough room between media receiver and the wall or other appliances for heat to be released from the side fan of media receiver.

Allow for 100mm additional clearance behind unit for cable

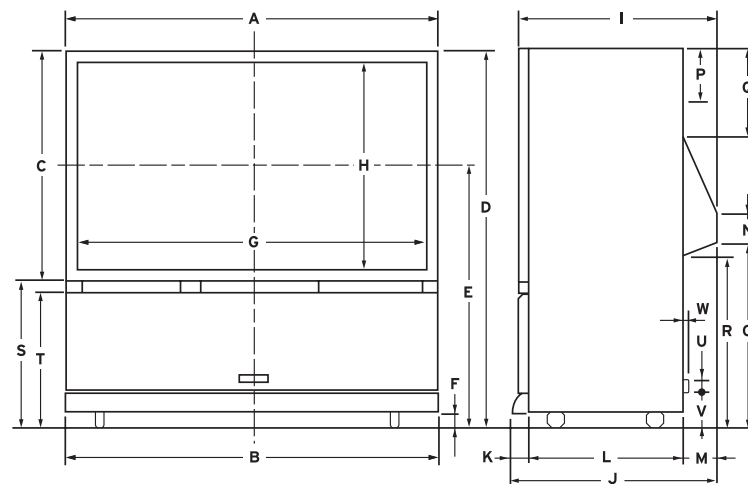
PRO-1000HDi



PRO-800HDi



PRO-730HDi/PRO-530HDi



Dimensions

	PRO-730HD	PRO-530HD
A	59 1/8"	49 3/8"
B	59 1/4"	49 1/4"
C	35 1/8"	29 3/8"
D	56 1/4"	50 1/4"
E	38 3/8"	35 1/4"
F	1 3/8"	1 3/8"
G	55 3/8"	46 1/4"
H	31 3/8"	26"
I	27 1/2"	24 3/8"
J	27 5/8"	25 3/8"
K	2 1/8"	2 1/8"
L	22 1/8"	20"
M	3 1/8"	3 1/8"
N	2 1/4"	2 1/4"
O	30 3/8"	27 1/2"
P	11 1/4"	9 3/4"
Q	18 1/4"	15 1/4"
R	28"	25 3/8"
S	21 1/8"	21 1/4"
T	19 1/8"	19 3/8"
U	1/4"	1/4"
V	2 1/2"	2 1/2"
W	1/2"	1/2"

Picture Signal

Audio Control Signal

Plasma Displays

PRO-1110HD

50" High Definition Plasma Television

- WXGA (1280 x 768) Resolution
- New Pure Drive Technology
- 10 Bit Digital Color Processing
- ACE II (Advanced Continuous Emission II) Capable of over 1 Billion Colors
- Pure Color Filter II for Improved Color Accuracy
- Advanced PureCinema II Format Converter
- 3:3 Pull Down for Film Quality Video
- Certified ISF Color Calibration Mode
- 5 Step-Adjustable Color Temperature Including 6500 Degree K
- Deep Encased Cell Structure
- HDMI Inputs with HDCP for Digital Connections
- Black Stripe Coating for Improved Contrast
- Media Receiver with Integrated ATSC Tuner for HDTV
- Advanced Color Management
- Picture in Picture Including Split Screen
- High Gloss Black Bezel with UV Coating
- RS-232C for Custom Control Applications
- Illuminated Pre-set and Learning Remote Control
- 3 Way Speakers and Swivel Stand

PRO-910HD

43" High Definition Plasma Television

- XGA (1024 x 768) Resolution
- New Pure Drive Technology
- 10 Bit Digital Color Processing
- ACE II (Advanced Continuous Emission II) Capable of over 1 Billion Colors
- Pure Color Filter II for Improved Color Accuracy
- Advanced PureCinema II Format Converter
- 3:3 Pull Down for Film Quality video
- Certified ISF Color Calibration Mode
- 5 Step-Adjustable Color Temperature Including 6500 Degree K
- Deep Encased Cell Structure
- HDMI Inputs with HDCP for Digital Connections
- Black Stripe Coating for Improved Contrast
- Media Receiver with Integrated ATSC Tuner for HDTV
- Advanced Color Management
- Picture in Picture including Split Screen
- High Gloss Black Bezel with UV Coating
- RS-232C for Custom Control Applications
- Illuminated Pre-set and Learning Remote Control
- 3 Way Speakers and Swivel Stand

PRO-1000HDi

50" High Definition Monitor

- WXGA (1280 x 768) Resolution
- Automatic Format Conversion of Any Source to 768 Progressive Display
- PureCinema II for Quick 2:3 Pull Down Film Detection
- Pure Color Filter II for Improved Color Accuracy
- 5 Step-Adjustable Color Temperature Including 6500 Degree K
- Deep Encased Cell Structure
- Advanced Continuous Emission Display Technology
- 4 NTSC Display Modes: Wide, Zoom, Full (16:9), and Normal (4:3)
- Screen Adjustment for PC Use
- Black Stripe Coating
- 3 Dimensional Y/C Separation
- High Gloss Black Extruded Aluminum Frame
- Remote Control
- RS-232C for Custom Control Applications
- 4 Video Inputs/ 2 Video Outputs
- Swivel Stand
- HDMI Inputs for Digital Connections
- Robust Video Connections
- Pioneer SR In/Out

PRO-800HDi

43" High Definition Monitor

- XGA (1024 x 768) Resolution
- Automatic Format Conversion of Any Source to 768 Progressive Display
- PureCinema II for Quick 2:3 Pull Down Film Detection
- Pure Color Filter for Improved Color Accuracy
- 5 Step-Adjustable Color Temperature including 6500 degree K
- Deep Encased Cell Structure
- Advanced Continuous Emission Display technology
- 4 NTSC Display Modes: Wide, Zoom, Full (16:9), and Normal (4:3)
- Screen Adjustment for PC Use
- Black Stripe Coating
- 3 dimensional Y/C Separation
- High Gloss Black Extruded Aluminum Frame
- Remote Control
- RS-232C for Custom Control Applications
- 4 Video Inputs / 2 Video Outputs
- Swivel Stand
- HDMI Inputs for Digital Connections
- Robust Video Connections
- Pioneer SR In/Out

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Projection Televisions

P R O - 7 3 0 H D i

64" HDTV Monitor

- 16 x 9 Aspect Ratio
- Reference Theater Mode Pro
- Dual Scan Capability Automatically Detects Input Format (15.75, 31.5 and 33.75kHz) and Displays at 31.5 or 33.75kHz
- Converts Interlaced NTSC 15.75kHz (480i) to 31.5kHz (480P) or 33.75kHz (1080i) Progressive Display (User Selectable)
- Pure Cinema III I/P Conversion of Film-based Sources
- Dual 181 Channel NTSC Tuners with Automatic Preset including PIP and Picture Out of Picture
- 72 Point Digital Convergence
- Achromatic Lens (Blue CRT)
- 0.52mm Ultra-Fine Pitch & True Black Lenticular Screen
- First Surface Mirror
- High Contrast Internal Black Cabinet
- High Contrast Optical Liquid Coupling Design
- Triple Dynamic Focus Circuit
- Chromatically Pure Red and Green Lens (Red & Green CRT)
- New Tinted Scratch Resistant, Anti-Reflective Coated Protective Screen
- High Gloss, Piano Black Finish
- 5 NTSC Display Mode: Natural Wide, Cinema Wide, Zoom, Normal (4:3), and Full (16:9)
- Auto Flesh Tone Circuit
- 5 Step Selectable Color Temperature with 6500k
- Illuminated Preset and Smart Remote Control

P R O - 5 3 0 H D i

53" HDTV Monitor

- 16 x 9 Aspect Ratio
- Reference Theater Mode Pro
- Dual Scan Capability Automatically Detects Input Format (15.75, 31.5 and 33.75kHz) and Displays at 31.5 or 33.75kHz
- Converts Interlaced NTSC 15.75kHz (480i) to 31.5kHz (480P) or 33.75kHz (1080i) Progressive Display (User Selectable)
- Pure Cinema III I/P Conversion of Film-based Sources
- Dual 181 Channel NTSC Tuners with Automatic Preset including PIP and Picture Out of Picture
- 72 Point Digital Convergence
- Achromatic Lens (Blue CRT)
- 0.52mm Ultra-Fine Pitch & True Black Lenticular Screen
- First Surface Mirror
- High Contrast Internal Black Cabinet
- High Contrast Optical Liquid Coupling Design
- Triple Dynamic Focus Circuit
- Chromatically Pure Red and Green Lens (Red & Green CRT)
- New Tinted Scratch Resistant, Anti-Reflective Coated Protective Screen
- High Gloss, Piano Black Finish
- 5 NTSC Display Mode: Natural Wide, Cinema Wide, Zoom, Normal (4:3), and Full (16:9)
- Auto Flesh Tone Circuit
- 5 Step Selectable Color Temperature with 6500k
- Illuminated Preset and Smart Remote Control

PureVision Monitors

	PRO-1110HD	PRO-910HD	PRO-1000Hdi	PRO-800Hdi
Display				
Display Size	50 inches	43 inches	50 inches	43 inches
Aspect Ratio	16:9	16:9	16:9	16:9
Number of Pixels	1280 x 768	1024 x 768	1280 x 768	1024 x 768
Resolution	WXGA	XGA	WXGA	XGA
Peak Brightness	1100 cd/m2	1000 cd/m2	900 cd/m2	1000 cd/m2
Technical Features				
HDTV	Television	Television	Monitor	Monitor
ATSC Tuner	Yes	Yes	No	No
Pure Drive Processing	Yes	Yes	No	No
Pioneer Automatic Format Converter	Yes	Yes	Yes	Yes
PureCinema	Advanced w/ 3:3 pulldown	Advanced w/ 3:3 pulldown	II w/ 3:2 pulldown	II w/ 3:2 pulldown
Black Stripe Coating	Yes	Yes	Yes	Yes
Progressive Scan Converter	Yes	Yes	Yes	Yes
3 Dimensional Y/C Separation	Yes	Yes	Yes	Yes
Peak ACL	Yes	Yes	Yes	Yes
Gamma Correction	Yes	Yes	Yes	Yes
Contour Correction	Yes	Yes	Yes	Yes
Black Level Expansion	Yes	Yes	Yes	Yes
Liminae Noise Reduction	Yes	Yes	Yes	Yes
Color Noise Reduction	Yes	Yes	Yes	Yes
Vertical and Horizontal Contour Enhancement	Yes	Yes	Yes	Yes
Automatic Brightness Limiter	Yes	Yes	Yes	Yes
Pure Color Filter	II	II	I	I
Color Temperature Control (Pre Setting)	(High/Mid-High/Mid/Mid-low/Low)	(High/Mid-High/Mid/Mid-low/Low)	(High/Mid-High/Mid/Mid-low/Low)	(High/Mid-High/Mid/Mid-low/Low)
Color Temperature Control (Manual)	R High	R High	-	-
	G High	G High	-	-
	B High	B High	-	-
	R Low	R Low	-	-
	G Low	G Low	-	-
	B Low	B Low	-	-
MPEG NR	Yes (Off/High/Mid/Low)	Yes (Off/High/Mid/Low)	-	-
DNR	Yes (Off/High/Mid/Low)	Yes (Off/High/Mid/Low)	-	-
DRE (Dynamic Range Expander)	Yes (Off/High/Mid/Low)	Yes (Off/High/Mid/Low)	-	-
Color Management System	R/Y/G/C/B/M independent	R/Y/G/C/B/M independent	-	-
Digital CTI (Color Transient Improver)	Yes (On/Off)	Yes (On/Off)	-	-
Natural Resize	Yes	Yes	-	-
Natural Enhancer	Yes	Yes	-	-
Digital Chroma Decoder	Yes (10bit)	Yes (10bit)	-	-
Conveniences				
Selectable Screen Modes	5	5	4	4
ISF Mode	Yes (when calibrated)	Yes (when calibrated)	No	No
Surround	SRS/Focus/TruBass	SRS/Focus/TruBase	-	-
PC Screen Adjustment	Yes	Yes	Yes	Yes
Remote Control Unit	SR Compatible	SR Compatible	SR Compatible	SR Compatible

PureVision Monitors

	PRO-1110HD	PRO-910HD	PRO-1000Hdi	PRO-800Hdi
Terminals				
Antenna Input	F type connectorx3	F type connectorx3	-	-
Antenna Output	2	2	-	-
AV Input (Front)	1 (Gold)	1 (Gold)	-	-
AV Input (Rear)	3 (Gold)	3 (Gold)	1 BNC	-
Monitor Output	1 (Gold)	1 (Gold)	1 BNC	-
S Video Input (Front)	1 (Gold)	1 (Gold)	-	-
S Video Input (Rear)	2 (Gold)	2 (Gold)	-	1
S Video Output (Rear)	1 (Gold)	1 (Gold)	-	-
Component Input (Front)	1 (Gold)	1 (Gold)	-	-
Component Input (Rear)	2 (Gold)	2 (Gold)	1 BNC X 5	-
D-Sub15 Input (Front)	1 (For PC)	1 (For PC)	-	-
D-Sub15 Input (Rear)	-	-	1	-
D-Sub15 Output	-	-	1	-
SR IN/OUT	Yes (OUT=SR+)	Yes (OUT=SR+)	Yes	-
RS-232C	Yes (Open to Limited User)	Yes (Open to Limited User)	Yes	-
Digital Audio Output (Rear)	Y	Y	-	-
_____	2 Terminal	2 Terminal	-	-
VCR Control	1	1	-	-
Head Phone Jack	-	-	-	-
HDMI Input	2(with HDCP)	2(with HDCP)	1	1
HDMI Output	-	-	-	-
Analog Terrestrial Tuner				
CH Selection System	PLL Synthesizer	PLL Synthesizer	-	-
Receiving Channel	VHF2-13 UHF14-69 CATV1-125	VHF2-13 UHF14-69 CATV1-125	-	-
Digital Terrestrial Tuner				
CH Selection System	PLL Synthesizer	PLL Synthesizer	-	-
Demodulator	8 VSB	8 VSB	-	-
Video Decoding System	MPEG2 MP@HL	MPEG2 MP@HL	-	-
Audio Decoding System	MPEG2 AC3	MPEG2 AC3	-	-
Receiving Channel	VHF2-13 UHF14-69 CATV1-125	VHF2-13 UHF14-69 CATV1-125	-	-
Miscellaneous				
Power Requirements	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz
Power Consumption (panel only)	363 W	298 W	385 W	300W
Panel and Media Receiver Power Consumption	408W	343 W	-	-
Standby Power Consumption	0.6W	0.6W	1 W	1 W
Dimensions (W x H x D) without packaging				
Panel	50" x 29" x 3 7/8"	44 1/8" x 25 1/8" x 3 1/8"	49 3/8" x 30 3/8" x 4 1/8"	43 3/4" x 27 1/4" x 4 1/8"
Media Receiver	16 3/8" x 3 3/8" x 11 1/8"	16 3/8" x 3 3/8" x 11 1/8"	-	-
Speakers	4 1/4" x 29" x 2 3/8"	4 1/4" x 25 1/8" x 2 3/8"	-	-
Weight without packaging	99 lbs. 14 oz.	83 lbs. 6 oz.	102 lbs. 8 oz.	84 lbs. 7 oz.

Projection Monitors

	PRO-730HDi	PRO-530HDi
Screen & Display		
Screen Size	64"	53"
Aspect Ratio	16x9	16x9
Horizontal Resolution (Video Input)	1400 Lines	1150 Lines
Brightness (White Peak*)	360ft-L	450ft-L
Video Features		
HDTV Monitor	Yes (1080i)	Yes (1080i)
Reference Theater Mode	Yes	Yes
Pro Mode (Enable Professional Adjustment)	Yes	Yes
Pioneer Auto Format Converter	PureCinema III	PureCinema III
5-Screen Mode (NTSC & 480p Progressive Scan)	Yes	Yes
Ultra Fine Pitch Screen	0.52mm Pitch Lenticular Sheet with New Black Dye Stripe	
SLD (Surface layer Diffusion) Screen	Yes	Yes
Multi Point Digital Convergence	72 Point for All Modes	72 Point for All Modes
Remote Convergence	Yes	Yes
Wide Range Dynamic Focus	Yes	Yes
Vertical Contour Control	Yes	Yes
Selectable Scan Velocity Modulation (RGB)	High/Mid/Off	High/Mid/Off
Auto Flesh Tone	Yes	Yes
Black Enhance (Black Level Expansion)	Yes (on/off)	Yes (on/off)
Linear White Circuit	Yes	Yes
Sharpness Circuit	Yes (on/off)	Yes (on/off)
Color Temperature Setting	5 Modes (with 6500K)	5 Modes (with 6500K)
Room Light Sensor (RLS)	2 Modes	2 Modes
3 Dimensional Y/C Separation	5 Step	5 Step
7" Inverted HD Large Emitter CRTs	Yes (new)	Yes (new)
High Density Phosphor CRT	Yes	Yes
5 Element HD Lens System with Achromatic HD Lens (Blue CRT)	Yes	Yes
4 Element HD Lens System (Red & Green CRTs)	Yes	Yes
High Contrast Optical Lens System	Yes	Yes
High Contrast Liquid Cooling System	Yes	Yes
Chromatically Pure G/R Lens	Yes	Yes
High Contrast Black Cabinet	Yes	Yes
Audio Features		
Power Output	10W x 2	10W x 2
Speakers	6" Full Range Speaker	6" Full Range Speaker
Front Surround	Yes	Yes
Tone Control	Yes	Yes
Fix/Var Audio Out	Yes	Yes
Stable Volume	Yes	Yes

Projection Monitors

	PRO-730HDi	PRO-530HDi
Conveniences		
Dual Tuner Split Screen	Yes	Yes
Channel Search Split Screen (9 Channels)	Yes	Yes
Picture Out of Picture (3 Sources)	Yes	Yes
Illuminated SMART Remote Control	Yes	Yes
Pre-Programmed & Learning	Yes	Yes
Whole Screen IR Remote Sensor	Yes	Yes
181 Channel Reception	Yes	Yes
A/V Memory	Yes (per Input)	Yes (per Input)
CC Auto Text with Mute	Yes	Yes
Station Labeling	Yes	Yes
V-Chip (Parental Guidance System)	Yes	Yes
Tinted Protection Panel	New Anti-Reflective and Scratch-Resistant Coating	
Front Key Menu Access	Yes	Yes
System Mode	Yes	Yes
Removable Control Panel/Grille/Bottom Rail for Custom Installation Integration	Yes	Yes
Terminals		
DVI Digital Input with HDCP	Yes (2 set)	Yes (2 set)
Component Input (Gold)	Yes (2 set)	Yes (2 set)
D-Sub15 (RGB Input For HDTV)	Yes	Yes
Antenna Input	2 NTSC (A&B)	2 NTSC (A&B)
S-Video Input (Rear/Front) Gold	Rear3/Front 1	Rear3/Front 1
BNC Input	Composite/Component	Composite/Component
A/V Inputs (Rear/Front) Gold	Rear3/Front1	Rear3/Front1
Audio Output (Gold)	Yes (Fixed/Variable)	Yes (Fixed/Variable)
Center Speaker Input (Gold)	Yes	Yes
TV Output (Gold)	Yes	Yes
VCR Output (Gold)	Monitor Only	Monitor Only
System Remote (SR) In/Out	Yes	Yes
Specifications		
Reception System	American TV Standard, NTSC Color	
Tuner Reception Channel	181 Ch (Standard, IRC or HRC)	
Antenna Terminal	VHF/UHF 2 (75 Ohms Unbalanced F Connector)	
Power Requirement	120V/60Hz	
Power Consumption	250W	
Dimensions (WxHxD) without Packaging	59 1/8" x 56 1/4" x 27 15/16"	49 3/8" x 50 1/4" x 25 1/8"
Weight without Packaging	341 lbs. 11oz.	271 lbs. 3oz.
* Without Protective Panel		

DVDR and DVD

D V R - 5 7 H

DVD Recorder/Player with Hard Disc Record and TiVo

- 120GB Hard Disc Drive (Maximum 102 Hours Recording Capacity)
- Double-layered Chassis
- TiVo Electronic Programming Guide
- 2:3 Progressive Scan with Faroudja DCDi Processing
- VBR (Variable Bit Rate) Recording with up to 6 Hours Record Time
- Simultaneous Record on Hard Disc while Dubbing to DVD
- Time Shift Playback
- 4 Automated Record Modes
- Direct Title Input
- MP3 Playback Compatibility
- Component Video Output (DVD, Video CD)
- Dolby® Digital and dts® Digital Outputs
- Set-up Navigator

D V - 5 9 A V i

Universal DVD Player with HDMI and iLink Connectivity

- 14-bit/216 MHz DAC for Video Output Processing
- T-Rex Pixel IC Conversion
- Burr Brown PCM1738EG-3 Chipsets (3) for all Audio Processing
- HDMI - High Definition Multimedia Interface (Video, DTS and Dolby Digital Output)
- i.LINK - Advanced Resolution Digital Audio Interface (IEEE-1394)
- Legato Pro / Hi-bit Processing (Front Channels)
- PureCinema 2:3 Progressive Scan
- Multi-channel DVD Audio and SACD (Super Audio Compact Disc) Playback
- DVD-RW Playback (Compatible w/CPRM), DVD-R Playback Capability
- MP3 Playback Compatibility
- JPEG PhotoViewer (FUJICOLOR and KODAK CD Compatible)
- Triple-layered Chassis
- Bass Management
- Trick Play Processing
- Component Video Output (DVD, Video CD)
- Virtual Dolby Digital and SRS TruSurround
- Dolby® Digital and dts® Digital Outputs
- Twin Wave Laser Pickup
- Advanced GUI and Set-up Navigator

D V - 4 7 A i

DVD Player with Multi-Channel DVD Audio and SACD Playback

- PureCinema Progressive Scan (2-3 Pulldown)
- 108MHz/12bit Video DAC for High-quality DVD Pictures
- Twin-Wave Laser Pickup for CD/Video CD/CD-R/CD-RW/DVD-R/RW (DVD Video Format) Playback
- Super-Fine Focus Filter with 4:4:4 Video Up-Sampling
- 16 Video Parameter Adjustments w/3 User Memories (Progressive Motion, PureCinema (on, off, Auto), YNR, CNR, Mosquito NR, Block NR, Sharpness High, Sharpness Mid, Detail, White Level, Black Level, Gamma, Black Setup, Hue, Chroma Level, Chroma Delay)
- 3 Factory Video Settings (CRT/PDP/Professional)
- Pioneer Exclusive Viterbi Error Correction with Accurate Digital Servo for Superior Reading Accuracy
- Trick Play Processor for Smooth Scanning
- i.LINK (Advanced Resolution Digital Audio Interface) Audio Output
- Multi-channel DVD Audio Playback
- Multi-channel SACD Playback (1 bit)
- MP3 Playback Capability
- Bass Management
- Triple 192KHz/24-bit (3x2 channel) Audio DAC's for Superior Sound Quality
- Legato Pro Conversion
- Dolby® Digital and dts® Digital Outputs
- Dolby® Digital and dts® Decoders
- New Advanced GUI (Graphic User Interface) with Set-up Navigator
- Jog and Joystick Remote with Glow-in-the-Dark Keypad
- Triple-Layered Chassis for Chassis Stability

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D V - 4 5 A

DVD Player with Multi-Channel DVD Audio and SACD Playback

- PureCinema Progressive Scan (2-3 Pulldown)
- 54MHz/10bit Video DAC for High-quality DVD Pictures (Analog Devices)
- Super-Fine Focus Filter with 4:4:4 Video Up-sampling (Progressive Only)
- Video Parameter Adjustments w/ 3 User Memories, Fine Focus, Contrast, Sharpness, Brightness PureCinema (on, off, Auto), Hue, Chroma Level
- Parallel S-Video / Composite Outputs
- Pioneer Exclusive Viterbi Error Correction with Accurate Digital Servo for Superior Reading Accuracy
- Still Step Play Forward and Reverse
- Slow Motion Playback
- DVD Audio Playback
- SACD Multi-channel Playback (1 bit)
- MP3 Playback Capability
- Twin-Wave Laser Pickup for: CD / Video CD / CD-R / CD-RW / DVD-R / DVD-RW playback (recorded in Video Mode)
- Triple 192KHz/24-bit (3x2) Audio DAC's for Superb Sound Quality (Burr Brown)
- Dolby Digital and dts Digital Outputs
- Dolby Digital and dts Decoders
- Video Off
- Bass Management

D V - C 3 6

Digital Progressive Scan 5-Disc DVD/CD/CD-R/VCD Carousel Player

- Digital Progressive Scan Output
- Progressive Digital Noise Reduction
- Interlaced Video Noise Reduction
- Digital Gamma Control
- Digital Sharpness Adjustment
- Digital Chroma Delay
- CD Mode for Full CD Changer Functions & Video Off
- High Speed Loading and Playback Resume
- 10-bit Video Signal DAC 96KHz/24-bit Audio DAC
- Hi-Bit Legato Link Conversion
- Dual User Memories
- Twin-Wave Laser Pickup for CD / Video CD / CD-R playback
- Viterbi Error Correction for Superior Reading Accuracy
- Double Layered Chassis
- Dolby® Digital and dts® Digital Outputs
- Component Video Output
- Remote Control with TV Presets and Glow-in-the-Dark Keys
- Setup Navigator for First Time Setup
- Advanced GUI with Non-Stop operation, Basic/Expert Mode

D V - F 0 7

300 + 1 Disc DVD/CD/ VCD/CD-R/CD-RW Player

- New A/V Decoder - VQE4
- High Bit Legato Link D/A Conversion
- 96KHz 24-Bit D/A Converter
- Virtual Dolby Digital
- Gold Plated Jack Pack
- Trick Play Processor
- RS232 Interface for PC/ Escient
- Keyboard and Mouse Title Input with PS/2 Connection
- Up to 600 Disc Control with Second Unit
- GUI with Advanced Disc Management and Search System
- Search Function by Key Word - Disc #, Disc Type, Title Name, and Artist Name
- 10 Audio and 10 Video Custom Files
- Auto Update
- CD / DVD Text
- Jog & Joy Stick Remote Control with Fluorescent Keys and 2 Color LED

DVD Recorder with TiVo

DVR-57H		
	Mode HDD	DVD
Playback		
Media	-	DVD-Video/DVD-R/DVD-RW/CD/CD-R/CD-RW*1
WMA*2/MP3*3 Playback*5	Yes	-
Chase Playback	Yes (Live TV)	-
Recording		
Media		
DVD-R/RW	-	Yes
Hard Disk Drive (HDD)	120GB	-
Variable Bit Rate Recording	Yes	Yes
Record from Guide	Yes	Yes
VCR Plus +	Yes	Yes
Number of Events	No Limit	No Limit
Editing		
Input Disc Name/Title Name	Yes (Auto by EPG)	Yes/Yes (Auto by EPG)
Erase Title	Yes	-
Chapter Mark	Yes (Auto Chapter: Fix to 5 min.)	Yes (Auto Chapter: Fix to 5 min.)
Picture Quality		
Progressive Scan	Yes (DCDi™)	Yes (DCDi™)
Video Signal D/A Converter	9-bit/27MHz	9-bit/27MHz
Audio Features		
Audio Signal D/A Converter	16-bit/96kHz	16-bit/96kHz
HDD Function		
High Speed Copy	Yes (HDD to DVD)	-
Resume (by Title)	Yes	Yes
“Live TV” Control	Yes	Yes
Conveniences		
TiVo Basic™	Yes (Program Information: up to 3 days)	-
TiVo Plus™	Program Information (up to 14 days), Search By Title, Season Pass™, WishList™, Smart Recording Options, TiVo Suggestions	-
TiVo Plus™ with Home Media Option™	TiVo Plus™ and Digital Music & Photos, Multi-Room Viewing, Remote Scheduling	-
Auto Clock Setup	Yes	Yes
Tuner		
Terrestrial Tuner	NTSC, M	NTSC, M
VHF / UHF / CATV	2 -13 ch. / 14 - 69 ch. / C14 - C125 ch.	2 -13 ch. / 14 - 69 ch. / C14 - C125 ch.
Terminal:	-	-
Phone Line	Yes	Yes
IR Control	Yes	Yes
Serial Control	Yes	Yes
USB	Yes	Yes
Inputs		
Video Input Terminals	Composite x 2, S-Video x 1	Composite x 2, S-Video x 1
Audio Input Terminals	Composite x 2	Composite x 2
Outputs		
Video Output Terminals	Composite x 2, S-Video x 2, Component x 1	Composite x 2, S-Video x 2, Component x 1
Audio Output Terminals	Composite x 2, Optical Digital x 1	Composite x 2, Optical Digital x 1
Other Terminals		
Pioneer SR (System Remote)	-	-
Miscellaneous		
Power Requirements	AC 120V/60Hz AC	AC 120V/60Hz AC
Power Consumption	49W	49W
Dimensions (W x H x D) (without Package)	16 7/8" x 3 7/8" x 15 1/4" 420mm x 94mm x 391mm	16 7/8" x 3 7/8" x 15 1/4" 420mm x 94mm x 391mm
Weight (without Package)	14 lbs. 1 oz./ 7.4kg	14 lbs. 1 oz./ 7.4kg

DVD Compatible Player

DV-59AVi	
Features	
FL LENS	Yes
Progressive Scan Indicator/Key	Yes
Video OFF indicator/Key	Yes
I.LINK IEEE1394 Indicator (Blue)	Yes
HDMI Indicator (Blue)	Yes
216MHz/14bit DAC	Yes
Interlace/Progressive Simultaneous Output	Yes
Progressive 4:3 Aspect Re-Size	Yes
DNR PRO	Yes
Super Fine Focus Digital Filter (540lines)	Yes
TV Screen Size Default Setting	16 x 9 (WIDE)
DVD-RW Reverse Slow	Full Frame
HDMI	Yes
T-REX (Pixel Conversion for HDMI)	Yes
192KHz/24bit DAC (6ch)	Yes
Part No. for Front ch DAC	PCM1738EG-3
Part No. for Multi ch DAC	PCM1738EG-3
Legato PRO (Hi-bit) (Front 2ch)	Yes
DVD Audio Decoder	Yes
Bass Management	Yes
Delay Adjustment (0.1m increment)*3	Yes
SACD Multi Decoder	Yes
DTS 5.1ch Decoder	Yes
DTS 2ch DownMix Output	Yes
DTS CD Capability	Yes
DTS Digital Out Default Setting	DTS
5.1 Ch Dolby Decoder	Yes
MPEG Multi Decoder	(2ch only)
MP3 Capability (Multi session)	Yes
MP3 Long file name (English only)	Yes
I.LINK (IEEE1394)	Yes
Jitterless Transfer for I.LINK	Yes
CD Direct Mode	Yes
SVCD	Yes
SACD	Yes
DVD-RW Capability (CPRM)	Yes
DVD-RW non-Finalized Disc Playback	Yes
I.LINK & HDMI Sleep Mode*5	Yes
Trick Play Processor	Yes
Program Memory	Yes
Resume	Yes
FL Dimmer	Yes
Screen Saver 5min (On/Off)	Yes

DVD Compatible Player

DV-59AVi	
Last Memory	Yes
Condition Memory	No
Multiple Layerd Chassis	Triple(New)
HDMI Terminal	x1(Ni)
I.LINK (IEEE1394) Connector	x2(Ni)
Component (Y,PB,PR)	x1(Au)
5.1 Ch Out	x1(Au)
Coaxial _ Optical	x1(Au)
S-Video	x2(Au)
Video	x2(Au)
Audio	x1(Au)
SR In	x1
SR Out	x1
Set Up Navigator	Yes
ON-Screen Information	Yes
TV Preset	Yes
Body Color	Black
I.LINK Cable	Included

DVD Compatible Players

	DV-47Ai	DV45A	DV-F07	DV-C36
Digital Audio Specifications				
THD	0.0009%	0.001%	0.002%	0.0018%
Frequency Response: 48kHz	4-22kHz	4-22kHz	4-22kHz	4-22kHz
Frequency Response: 96kHz	4-44kHz	4-44kHz	4-44kHz	4-44kHz
Frequency Response: 192kHz	4-88kHz	4-88kHz	-	-
S / N	118dB	118db	115dB	115dB
Dynamic Range	108dB	108db	103dB	103dB
Conveniences				
Setup Navigator	Yes	Yes	Yes	Yes
Glow-in-the-Dark Remote Control	Yes (Jog / Joy: New)	Yes (Jog / Joy: New)	Jog / Joy	Standard
TV Controls with Manufacturers Preset Codes	Yes	Yes	-	Yes
600 DVD Control	-	-	Yes	-
Auto Update (1-Disc / All Discs)	-	-	Yes	-
Custom Files	-	-	10 Audio / 10 Video	-
Title Input w / CD / DVD Text	-	-	Yes	-
On-Screen Disc Title Management	-	-	Yes	-
Special Play Functions				
Condition Memory	-	-	Up to 100 Discs DVD	Up to 15 Discs DVD
Resume Function	Yes	Yes	-	-
Repeat Mode (All, Title / Chapter / Track / Group / Folder, A-B)	Yes (all: CD, VCD, SACD, MP3 only)	Yes (all: CD, VCD, SACD, MP3 only)	Yes	Yes
Program Play (CD / Track, SACD / Track, Video / Chapter & Title, DVD-Audio / Group & Track, MP3 / Folder & Track)	Yes	Yes	Yes	Yes
Best Selection Memory	-	-	50	-
Trick Play Processor for Smooth Scanning	Yes	-	Yes	-
Still / Step Play	Yes	Yes	Yes	Yes
Slow Play (Forward / Reverse)	Yes	Yes	Yes	Yes
Random Play	Yes	Yes	Yes	Yes
Scan Functions				
10-Key Direct Search and Play (Chapter / Track)	Yes	Yes	Yes	Yes
Title Search / Track / Time Search	Yes	Yes	Yes / Yes	Yes / Yes
Frame Search	-	-	-	-
Display				
Graphic User Interface (GUI)	Yes	Yes	Yes	Yes
On-Screen Information Display	Yes	Yes	Yes	Yes
On-Screen Bit Rate Meter	Yes	Yes	Yes	Yes
Film (24 frame/s material indicator (# Indicator)	Yes	Yes	-	-
Video Frame Number Display	Yes	Yes	-	-
On-Screen Contents Calendar	-	-	Yes	Yes
FL Display Off	-	-	-	Yes

When playing DTS-encoded (CDs, LDs, DVDs), excessive noise will be exhibited from the analog stereo outputs. To avoid possible damage to the audio system, the consumer should take proper pre-cautions when the analog stereo outputs of the DVD player is connected to an amplification system. To enjoy DTS Digital Surround TM playback, an external 5.1 channel DTS Digital Surround TM decoder system must be connected to the digital output (S/PDIF, AES/EBU, or TosLink) of the DVD player.

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DVD Compatible Players

	DV-47Ai	DV45A	DV-F07	DV-C36
Video Terminals				
S-Video Inputs (Gold Plated)	-	-	-	-
Composite Video Inputs (Gold Plated)	-	-	-	-
Digital Video Input/Output (I.LINK)	-	-	-	-
Connection for Camcorder Only	-	-	-	-
Component Video Output (Gold Plated)	1	1	1 set	1 set
S-Video Outputs (Gold Plated)	2	1	1 In / 1 Out	1
Composite Video Outputs (Gold Plated)	2	1	1 In / 1 Out	1
Parallel Composite, S-Video, Component Output	Yes	Yes (Interlace) / none (Progressive)	-	-
Audio Terminals				
Analog Audio Input (L / R) (Gold Plated)	-	-	-	-
Analog Audio Output / In (L / R) (Gold Plated)	1 Out	1 Out	1 Out / 1 In	2
6 Channel Audio Output	Yes	Yes	-	-
Coaxial Digital Output (Dolby Digital, DTS, LPCM) (Gold Plated)	1	1	1	1
Coaxial Digital Input (Gold Plated)	-	-	1	-
Optical Digital Output (Dolby Digital, DTS, LPCM)	1	1	-	-
Digital Audio Output (I.LINK) Connection	2	-	-	-
Control Terminals				
Pioneer System Remote (SR)	In / Out	In / Out	In / Out	In
PS2 Interface for Keyboard and Mouse	-	-	Yes	-
CD-Deck Synchro	-	-	Yes	-
Miscellaneous				
AC Inlet	Yes (form: hexagon type)	Yes (standard type)	-	-
DVD-RW Playback Compatibility	Yes (CPRM)	Yes (CPRM)	-	-
Power Requirements	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz
Power Consumption	14W	13W	21W	12W
Dimensions (W x H x D) without Packaging	16 3/4" x 4 1/8" x 11 1/8"	16 1/8" x 2 3/4" x 11"	18 1/8" x 7 3/8" x 17 1/8"	16 3/8" x 5 1/8" x 14 3/4"
Weight without Packaging	11 lbs. 3 oz.	5 lbs. 12 oz.	21 lbs. 6 oz.	14 lbs.

Receivers and Components

V S X - 5 9 T X i

THX Select Receiver with I-LINK

- 150 Watts x 7 @ 6 ohms
- Advanced Direct Energy MOSFET Amplification
- THX Ultra II Certification
- i.LINK Advanced Multi-Channel Audio Interface
- Advanced MCACC with 9-band Adjustable EQ
- Time Aligned Dynamic Acoustic Treatment
- X-Curve Acoustic Space Compensator
- Dolby Digital - EX & DTS-ES Decoders
- Dolby Pro-Logic IIx
- Burr Brown 192kHz / 24-bit D/A x 7
- 192kHz / 24-bit A/D x 7
- Universal Video Conversion
- Triple Layered Chassis
- 7.1 Multi-Channel Inputs
- Component Video In/Out
- SACD Direct Mode
- Multi-Room & Source Custom Control
- USB Multi-Channel Input (Plug & Play)
- RS-232c Interface with PC Connection
- LCD Touch-Panel Remote

V S X - 5 3 T X

THX Select A/V Receiver with MCACC

- 100 Watts x 7 @ 8 ohms
- Advanced Direct Energy MOSFET
- THX Select Certification
- Auto MCACC w/5-band Adjustable EQ and Microphone
- Dolby Digital - EX & DTS-ES Decoders
- 192kHz / 24-bit Digital to Analog Converters
- Hi Bit/Hi Sampling Audio Scaler
- Front A/V with S-Video
- Large Banana Terminals
- On-Screen Component Video Display
- 3-D Space Frame & Isolated Chamber Construction
- 7.1 Multi-Channel Inputs
- Component Video Inputs
- S-Video Terminals
- Multi-Room & Source Custom Control
- Configurable Rear Speakers
- 12-Volt Trigger
- Front A/V with S-Video
- Smart & Pre-Programmed Remote

V S X - 5 5 T X i

THX Select A/V Receiver with I-LINK

- 100 Watts x 7 @ 8 ohms
- Advanced Direct Energy MOSFET Amplification
- THX Select Certification
- i.LINK Advanced Multi-Channel Audio Interface
- Auto MCACC w/5-band Adjustable EQ and Microphone
- Dolby Digital - EX & DTS-ES Decoders
- 192kHz / 24-bit D/A x 7
- Front A/V with S-Video
- Large Banana Terminals
- On-Screen Component Video Display
- 3-D Space Frame & Isolated Chamber Construction
- 7.1 Multi-Channel Inputs
- Component Video In/Out
- S-Video Terminals
- SACD Direct Mode
- Multi-Room & Source Custom Control
- USB Input (Plug & Play)
- RS-232c Interface
- Smart & Pre-Programmed LCD Remote

V S X - 4 1

Dolby Digital EX / DTS-ES A/V Receiver

- 110 Watts x 6 Multi-Channel
- Dolby Digital Surround-EX 6.1
- DTS-ES Discrete 6.1
- Dolby Pro Logic II Music & Movie
- Re-EQ
- 96kHz / 24-bit Analog to Digital Conversion
- 96kHz / 24-bit Digital to Analog Conversion
- Virtual Surround Back
- Expanded Theater
- 6 Channel Stereo
- Midnight Listening Mode
- DVD 7.1 Channel Input- All
- Multi-Channel Outputs - All
- S-Video Dual Surround Black Speaker Post
- Component Video
- Front A/V Inputs
- Banana Speaker Terminals
- 30 Tuner Preset
- LCD Smart Remote

Short sheet. Page trims here

E X - 5 0 0

Slim 6.1 A/V Receiver & DVD-Video / DVD-Audio / SACD Player Package

- 100 Watts x 6 Amplification
- MCACC with Set-Up Microphone
- Dolby Digital Surround-EX 6.1
- DTS-ES Discrete 6.1
- Expanded Theater
- Virtual Surround
- Midnight Listening Mode
- Optical & Digital Inputs
- DVD-Audio & Super Audio CD Compatible DVD Player
- DVD-R / DVD-RW / MP-3 / JPEG Compatible
- PureCinema Progressive Scan Video Output
- 10 Bit / 54 MHz Video DAC
- 192kHz / 24-Bit Audio DAC
- New Advanced GUI with Set-Up Navigator
- Unified Receiver and DVD Player Remote

M - 1 0 X

2-Channel Power Amplifier

- 100 Watts Per Channel (Stereo): 4 ohms from 20-20,000 Hz with no more than .3% Total Harmonic Distortion
- Advanced Direct Energy MOSFET Amplifier Design
- Wide Range Linear Circuit
- Transformer Stabilizer
- 4 Ohm Stable (Low-Impedance Driving Capacity)
- Banana Speaker Terminals

P D - F 2 7

300 + 1 Disc Compact Disc Player

- CD Keyboard Title Input
- Center Loading Mechanism
- 10 Custom Filing Modes
- CD TEXT
- 50 Track Best Selection Memory
- Memory Back-up
- Full Random Play
- 2 Unit Link Connection
- Headphone Out w/ Volume Control
- 24 Bit D/A High Bit Legato Link Conversion

P D - F 1 7

100 + 1 Disc Compact Disc Player

- Hi-Bit Legato Link Conversion
- Single Loader for Added Convenience
- Roulette Rack Design
- Motorized Door
- Pioneer SR Remote Control
- Title Input and CD Text
- Full Random Play
- Custom Modes
- Best Selection Memory
- CD-Deck Synchro
- Direct Track Access by 10-key Pad Remote
- 20-bit D/A Converter
- System Remote (SR) in/out

E S - 1 0 0 0 D V

Reference Home Theater System

- 360 Watts Total System Power
- DVD / DVD-Audio / Super Audio CD Playback
- DVD-R / RW / MP-3 Compatible
- High Resolution OEL Display
- Dolby Digital & DTS 5.1 Surround Decoding
- Pro-Logic II Music & Movie
- Advanced Music & Movie
- 5 Channel Stereo
- Headphone Surround
- Component Video Out
- Pure Cinema 2-3 Progressive Scan
- 108MHz / 12-Bit Video DAC
- 192kHz / 24-Bit Audio DAC
- 3 Room Size with 9 Seating Position Auto Set-up
- Wake & Sleep Timer
- 30 Preset AM / FM Tuner
- 5 Aluminum 2-Way Satellite Speakers & 8" Powered Subwoofer
- All Aluminum Chassis

A - 3 5 R

Integrated Amplifier

- New Flat Design
- Direct Energy MOSFET Amplification
- 45W x 2, 20-20k @ 8 ohm 65W x 2, 20-20k @ 4 ohm
- 4 Ohm Stable (Low-Impedance Driving Capacity)
- Complementary Capacitor Pair
- Tone Control
- Loudness Control
- Low-Noise Designs
- "Direct" Switch
- Phono EQ On/Of
- Amp Mode
- Audio Inputs x 6
- Headphone Output
- Speaker A/B Switching Relay
- Speaker Outputs x 2
- SR (System Remote) Terminal

C T - 0 5 D

Dual Auto-Reverse Digital Cassette Deck

- Pioneer Exclusive Digital Processing System (DPS)
- Legato Link Conversion For Extended Frequency Response
- 20-Bit A/D and D/A Converters
- Super Auto BLE XD (Performed In Digital Domain)
- FLEX - Frequency Level Expander (Performed In Digital Domain)
- Twin Motor
- Dolby B/C Noise Reduction And Digital Noise Reduction
- Dolby HX Pro
- MPX Filter With Dolby Noise Reduction ON
- Deck 1 and Deck 2: Auto-Reverse (RECORD/PLAY)
- Normal and High Speed Dubbing
- Music Search: + / - 15 songs
- Headphone Output
- TDNS (Tape Duplication Noise Suppression) (Digital)

Receivers

	VSX-59TXi	VSX-55TXi	VSX-53TX	VSX-41
Amplifier Design and Power Output				
Direct Energy MOS Amplifiers	Advanced D.E. Mos FET	Advanced D.E. Mos FET	Advanced D.E. Mos FET	Pioneer Hybrid Amplification
High Current/Voltage Power Supply	Yes	Yes	Yes	-
Extra Large Extruded Aluminum Heat Sink	Chimney	-	-	-
Direct Construction	Yes	Yes	Yes	Yes
Transformer Stabilizer	-	Yes	-	-
Audiophile Copper Upgrades	Yes	-	-	-
Stereo	150W / ch	100W / ch	100W / ch	110W / ch
Surround Modes				
Front (x 2)	150W / ch	100W / ch	100W / ch	110W / ch
Center	150W	100W	100W	110W
Rear (x 2)	150W / ch	100W / ch	100W / ch	110W / ch
Audio Features				
M.C.A.C.C	Advanced	Yes	Yes	-
THX	Ultra II	Select	Select	-
Dolby Digital 5.1	Yes	Yes	Yes	Yes
Dolby Digital EX 6.1	Yes	Yes	Yes	Yes
DTS 5.1	Yes	Yes	Yes	Yes
DTS-ES 6.1	Discrete	Discrete	Discrete	Matrix
DTS 96/24	Yes	Yes	Yes	-
DTS-Neo:6	Yes	Yes	Yes	Yes
Dolby Pro Logic II	PLIIx	Yes	Yes	Yes
DSP Processor	Sharc*2+Motorola	Dual 48-Bit Motorola	Dual 48-Bit Motorola	Dual 24-Bit
Analog-to-Digital Converters	96/24 (7.1 ch)	96/24 (2 ch)	96/24 (2 ch)	96/24 (2 ch)
192k/24-bit Digital-to-Analog Converters	Yes (Advanced)	Yes x 7	Yes x 7	96/24 x 2
Advanced Multi-Channel Sound Processing	7.1 or 5.1 Channel	7.1 or 5.1 Channel	7.1 or 5.1 Channel	7.1 or 5.1 Channel
Advanced Theater and Midnight Modes	Yes	Midnight	Midnight	Yes
Music & Movie DSP Modes	Yes	Yes	Yes	Yes
Multi-Channel Stereo	5 or 7 channel	5 or 7 channel	5 or 7 channel	5 or 6 channel
Digital Noise Reduction	5 or 7 channel	5 or 7 channel	5 or 7 channel	-
Main Channel Balance	Electric	Electric	Electric	Electric
Bass Boost (Stereo Only)	5 or 7 channel	Loudness	Loudness	Loudness
Source Direct Switch	Yes	Yes	Yes	Yes
Remote Control Muting	Yes	Yes	Yes	Yes
Tuner Presets	30	30	30	30
Conveniences				
Graphic User Interface (On-Screen Display)	Yes w/over-layer	Yes w/over-layer	Yes w/over-layer	-
Front Panel Menu Control	?	Yes	Yes	-
2-Line Dot Matrix Display	Yes	Yes	Yes	Yes
FL Dimmer	4-step	4-step	4-step	4-step
Multi-Operation System (Macros)	7 Commands	7 Commands	7 Commands	
Remote Control Type	LCD Touch Panel	Small LCD	Smart	Small LCD
Pre-Programmed & Smart Remote	Yes	Yes	Yes	Yes
Remote Control Illumination	LCD Back Light	LCD / All Keys	-	LCD

Receivers

	VSX-59TXi	VSX-55TXi	VSX-53TX	VSX-41
Conveniences				
DVD, DSS, DTV, Multi-CD Control	Yes	Yes	Yes	Yes
Component Video Conversion	Yes	-	-	-
Video Signal Selector	Yes	Yes	Yes	-
Function Rename	Yes	-	-	-
Multi-Room / Multi Source	Source/Room	Source/Room	Source/Room	-
Fixed or Variable MR/MS Audio Output	Yes	Yes	-	-
3rd Party IR Compatibility	Yes w/RS-232	Yes w/RS-232	Yes	-
Front Panel Controls	Yes	Yes	Yes	-
Multi-Source Functions	Tuner, CD, Tape 1, VCR 1, DVD/LD, TV/Sat			-
Terminals				
I.LINK Digital Audio and Control Interface	Yes	Yes	-	-
7.1 Multi-Channel In w/Trim Bypass	Yes w/Trim	Yes w/Trim	Yes w/Trim	Yes (DVD)
AC-3 RF Input (with Internal Demodulator)	Yes	-	-	-
Digital Inputs (assignable)	8	5	5	5
Coaxial	3	2	2	2
Optical	5 (incl.Front in)	3 (incl.Front in)	3 (incl.Front in)	3 (incl.Front in)
Digital Output (Optical)	2	2	2	2
Audio (TUNER Included)/Video Input	5A/7AV	5A/5AV	5A/5AV	5A/5AV
Phono Input	Yes	Yes	-	-
Audio/Video Outputs	2 A / 3 AV	2A / 2AV	2A / 2AV	1A / 1AV
USB Terminal (use for audio playback)	Yes	Yes	-	-
RS-232c	Yes	Yes	-	-
Monitor Output (Composite & S-Video)	1C / 2S	1C / 1S	1C / 1S	1C / 1S
S-Video Inputs / Outputs	7 / 3	5/2	5/2	4/2
Component In / Out	3/1 (assign)	2/1 (assign)	2/1 (assign)	2/1 (assign)
Audio/Video Front Panel input (w/ S-Video)	Yes	Yes	Yes	Yes
Preamplifier Output	All (7.1 Ch) (SW*2)	All (7.1 Ch)	All (7.1 Ch)	All (6.1 Ch)
Gold-Plated Terminals	All	All	No	All
Multi-Room / Multi-Source				
2nd Zone A/V Output	Yes	Yes	Yes	-
2nd Zone IR Control Input	Yes	Yes	Yes	-
12 Volt Trigger	Yes	Yes	Yes	-
Pioneer System Remote (SR)	In / Out	In / Out	In / Out	In / Out
Speaker Terminals A and B	Parallel	Parallel	Parallel	Parallel
Speaker Terminal Type	Banana x 7 ch	Banana x 7 ch	Banana x 7 ch	Banana x 7 ch
AC Outlets	1	1	1	1
Other				
Control Door Design	Yes	Yes	Yes	Yes
Function Indicator LED	Yes	Yes	-	-
Copper Shielded Chassis	Yes	-	-	-
Heavy Duty Power Cord	Yes	-	-	-

Compact Disc Players

	PD-F27	PD-F17
Format		
Capacity	301 Disc	101 Disc
Transport Mechanism	Roulette Rack	Roulette Rack
Digital Features		
Legato Link Conversion	Yes	Yes
Hi-Bit Conversion	Yes	Yes
D / A Converter	24-bit	20-bit
Structural Design		
Acoustically Dampened Chassis	Yes	-
Low Noise Design		
Low Loss Laser Pickup	Yes	Yes
Playback Options		
All Discs	Yes	Yes
Single Disc	Yes	Yes
Custom File Discs	Yes	Yes
Delete Play	-	-
Single Disc	Yes	Yes
All Discs	Yes	Yes
Custom File Discs	Yes	Yes
Time Fade	-	-
Programmed Play (Track/Steps)	36	36
Repeat Modes	8	8
Conveniences		
Full Function Remote Control (SR)	Yes	Yes
Custom Filing	10	3
Best Selection Memory	50 Tracks	20 Tracks
Previous Disc Scan	Yes	Yes
Memory Hold	Yes	Yes
Memory Backup	Yes	Yes
Direct Track Access by 10-key Pad	Remote	Remote
Jog Dial	Yes	-
Multi-Read CD-R/RW Playback	Yes	-
PDM59 Additional Features	Talk-Back Input, Music Type Memory, Digital Level Control, Magazine HI-Lite Scan, One-Touch Digital Fader	
Terminal		
Coaxial Digital Output	1	1
Optical Digital Output	1	1
System Remote (SR) In/Out	In / Out	In / Out
I/O Interface	-	Yes
Additional 301 Disc Player Interface	Yes	-
Specifications		
Frequency Response	2-20,000 Hz	2-20,000 Hz
Signal-to-Noise Ratio (EIAJ)	105 dB	105 dB
Dynamic Range (EIAJ)	96 dB	96 dB
Channel Separation (EIAJ)	100 dB	100 dB
Distortion (EIAJ)	0.003%	0.003%
Power Consumption	17W	14W
Dimensions (W x H x D) without Packaging	16 1⁄8" x 7 1⁄8" x 17 1⁄8"	16 3⁄8" x 7 3⁄4" x 15 13⁄16"
Weight without Packaging	17 lbs	14 lbs 3oz.

DVD and Receiver Package

	EX-500 Receiver
VSX-C50 A/V Receiver	
Power Output	100W*6 (RMS 6ohms)
DSP Engine	Motorola
Dolby Digital 5.1	Yes
Dolby Pro Logic II	Yes
Dolby Surround EX 6.1	Yes
DTS	Yes
DTS-ES	Yes
Virtual SB Mode	Yes
Virtual Surround	Yes
Expanded Theater	Yes
Headphone Surround	Yes
Game Surround	Yes
TV Surround Mode	Yes
On-Screen Display	Yes
Audio Features	
Dialogue Enhancement	Yes
Mid-night Listening Mode	Yes
Quiet Mode	Yes
96/24 DAC	Yes
Display	Semi Dot Matrix
Bass (Bass Boost)	Yes
Tuner	30 Station AM/FM
Conveniences	
Remote Control	Preset
MCACC	Standard (with MIC)
Seat position (3 position)	Yes
FL Dimmer (steps)	Yes
Terminals	
5.1 Ch Input	Yes
Digital Input	4
Coaxial	1
Optical	3
Audio/Video Input	5 Audio/Video
Audio/Video Outputs	1 Audio/Video + 1 Video
S-Video IN / OUT	4 In/ 1 Out
PureVision-LINK	Yes
Preamp Output	SW
A/V Front	1 Audio/Video, 1 Digital In
System Remote (New SR Port)	Yes
AC Inlet	Yes
Door	Yes
Dimensions (W x H x D) without Packaging	16 1⁄2" x 2 1⁄8" x 15 1⁄8"

DVD and Receiver Package

	EX-500
DV-50 DVD-Player	
Disc Capacity	Single
Optical Disc Compatibility (Certain playback devices may not play DVD-R discs recorded in the DVD-Video format or DVD-RW discs.)	DVD-RW / DVD-R / CD-R / CD-RW / DVD-Video / DVD-Audio / CD / DTS-CD / VCD / SACD / MP3
Video Features	
Progressive Scan Output - Film Based	PureCinema
Progressive Scan Output - Video Based	Adaptive Motion
Video Processing & DAC's (DVD)	12-Bit
Video Processing Bandwidth	108 MHz (Component Video)
Viterbi Decoding Process	Yes
Digital Video Adjustments	Interlace / Progressive
Twin Wave Laser Pick-up for CD-R & CD-RW Playback	Yes
Conveniences	
Setup Navigator	Yes
Repeat Mode (Disc, Title / Chapter / Track / Group / Folder, A-B)	Yes (Disc: CD, VCD, SACD, MP3 only)
Program Play (CD / Track, SACD / Track, Video / Chapter & Title	Yes
Trick Play Processor for Smooth Scanning	Yes
Random Play	Yes
Video Terminals	
Component Video Output (Gold Plated)	1
S-Video Outputs (Gold Plated)	2
Composite Video Outputs (Gold Plated)	2
Audio Terminals	
Analog Audio Output / In (L / R) (Gold Plated)	1 Out
Optical Digital Output (Dolby Digital, DTS, LPCM)	1
Dimensions (W x H x D) without Packaging	16 1⁄2" x 2 1⁄8" x 11 1⁄8"

Cassette Player

CT-05D	
Format	
Auto-Reverse (Record / Play)	Deck II
Auto-Reverse (Play)	Deck I
Logic Mechanism	Yes
Motor	2
Audio Features	
Digital Super Auto BLE XD	Yes
Dolby Noise Reduction System	B / C
Digital Noise Reduction System	Yes
Dolby HX Pro	Yes
Digital FLEX	On with Dolby NR
MPX Filter	On with Dolby NR
20-Bit A / D-D / A	Yes
Legato Link	Yes
Digital TDNS	Yes
Conveniences	
CD-Deck Synchro Recording*	Yes
Relay Play	Yes
Normal / High-Speed Dubbing	Yes
Music / Skip Search	±15
Blank Skip	Yes
Auto Space Rec Mute	Yes
Auto Tape Selector	Yes
Last Memory	Yes
Display	
4-Digit Electronic Counter (x 2)	Yes
Tape / Elapsed Time Counter Modes	Yes
Fluorescent Peak-Hold Level Meter	Yes
Terminals	
Headphone Output	Yes
Pioneer SR (System Remote) Ready	Yes
Honeycomb Chassis	Yes
Large Insulators	Yes
Specification	
Double Auto-Reverse Stereo Cassette Tape Deck	4-Track, 2-Channel
Motors	DC-Servo Motor x 2
Heads	“Hard Permalloy” Recording / Playback Head x 1, “Hard Permalloy” Playback Head x 1, Ferrite Erasing Head x 1
Fast Winding Time (C-60 tape)	100 Seconds
Wow and Flutter (WRMS)	0.09%
Frequency Response (-20dB): Type IV (Metal tape)	20-20kHz
Type II (High / Chrome Tape)	20-19kHz
Type I (Normal Tape)	20-18kHz
Signal-to-Noise Ratio: (Digital Noise Reduction) (Digital NR / Dolby NR Off**)	90dB (with Dolby B / C) 82dB (Dolby Off) 57dB
Harmonic Distortion (-4dB)	0.8%
Input (Sensitivity / Impedance): Line (Pin Jack x 2) Output (Reference Level / Output Impedance): Line (Pin Jack x 2)	100mV / 68k ohms 0.5V / 1.9k ohms
Headphones (6mm Ø Stereo Jack x 1)	1.33mW / 32 ohms
Power Requirements	120V, 60Hz
Power Consumption	19W
Dimensions (W x H x D) without Packaging	16 1⁄8" x 4 1⁄8" x 9 1⁄8"
Weight without Packaging	9 lbs. 11 oz.

**S/N is improved by 10dB with Dolby B NR on, by 19dB with Dolby C NR on, both at 5kHz.
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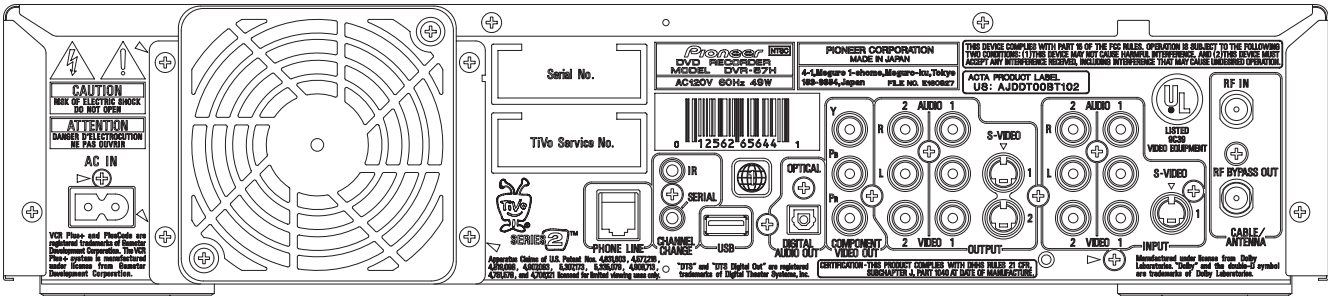
Home Theater System

ES-1000DV	
System	
Disc Capacity	Single
Optical Disc Compatibility (Certain playback devices may not play DVD-R discs recorded in the DVD-Video format or DVD-RW discs.)	DVD-RW / DVD-R / CD-R / CD-RW / DVD-Video / DVD-Audio / CD / DTS-CD / VCD / SACD / MP3
Construction	
Multiple Layered Chassis	Double Layer
Video Features	
Progressive Scan Output	PureCinema
Progressive Scan Output	Adaptive Motion
Video Processing & DAC's (DVD)	12-Bit
Video Processing Bandwidth	108 MHz (Component Video)
Super Fine Focus Digital Filter	Yes
Viterbi Decoding Process	Yes
Digital Video Adjustments	Interlace / Progressive
Progressive Motion	Yes
PureCinema (on, off, Auto1,2)	Yes
YNR (w / Film), CNR, MNR, BNR	Yes
Sharpness High, Sharpness Mid	Yes
Detail, White Level, Black Level	Yes
Black Setup, Gamma, Hue	Yes
Chroma Level, Chroma Delay	Yes
Twin Wave Laser Pick-up for CD-R & CD-RW Playback	Yes
Audio Features	
DVD-Audio / SACD / Dolby Digital / DTS Processors Built-In	Yes
Audio D / A Conversion	192k / 24-bit (6ch, Burr-Brown)
96 / 24-bit LPCM Digital Output Capable	Yes
DRC (Dynamic Range Control)	Yes (On/Off)
Conveniences	
Setup Navigator	No
TV Controls with Manufacturers Preset Codes	Yes
Repeat Mode (Disc, Title / Chapter / Track / Group / Folder, A-B)	Yes (Disc: CD, VCD, SACD, MP3 only)
Program Play (CD / Track, SACD / Track, Video / Chapter & Title, MP3/Folder & Track, DVD-A/Group & Track	Yes
Trick Play Processor for Smooth Scanning	Yes
Still / Step Play	Yes (VCD: Forward only)
Slow Play (Forward / Reverse)	Yes (VCD: Forward only)
Random Play	Yes

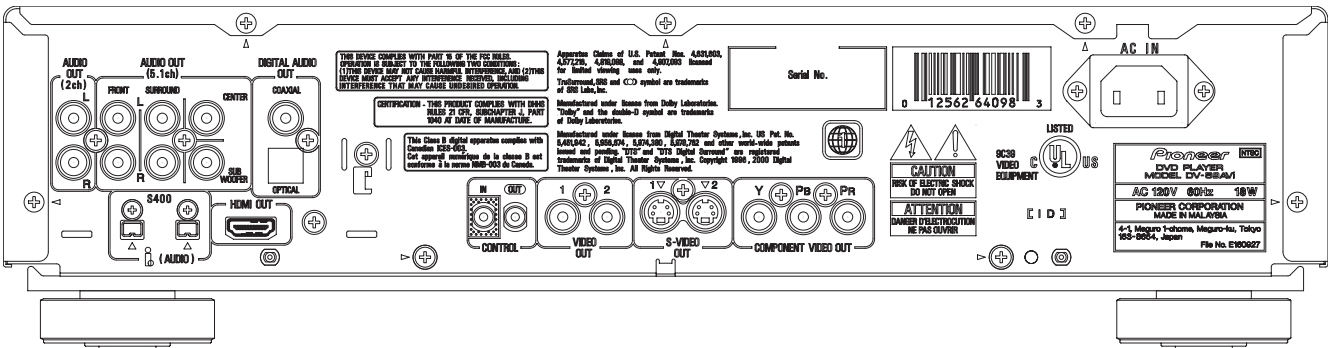
ES-1000DV Spec Chart

ES-1000DV	
Scan Functions	
10-Key Direct Search and Play (Chapter / Track)	Yes
Title Search / Track / Time Search	Yes
Display	
Graphic User Interface (GUI)	Yes
On-Screen Information Display	Yes
On-Screen Bit Rate Meter	Yes
Video Frame Number Display	Yes
Video Terminals	
S-Video Inputs (Gold Plated)	3
Composite Video Inputs (Gold Plated)	3
Component Video Output (Gold Plated)	1
S-Video Outputs (Gold Plated)	2
Composite Video Outputs (Gold Plated)	2
Parallel Composite, S-Video, Component Output	Yes
Audio Terminals	
Analog Audio Input (L / R) (Gold Plated)	4
Analog Audio Output / In (L / R) (Gold Plated)	1 out
Coaxial Digital Input (Gold Plated)	1
Optical Digital Output (Dolby Digital, DTS, LPCM)	1
Optical Digital Input	1
Others	
DVD-RW Playback Compatibility	Yes (CPRM)
Dimensions (W x H x D) without Packaging	15" x 2 1⁄8" x 11 1⁄8"
Weight without Packaging	9 lbs.

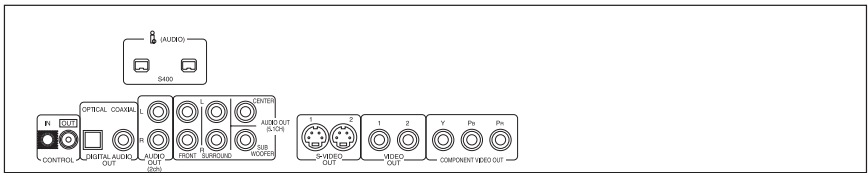
DVR-57H



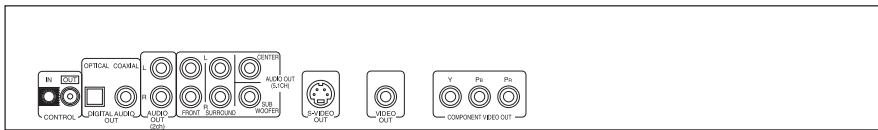
DVR-59AVi



DV-47Ai



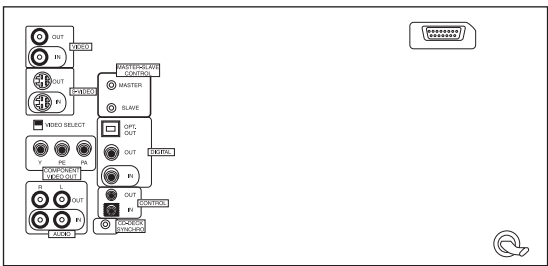
DV-45A



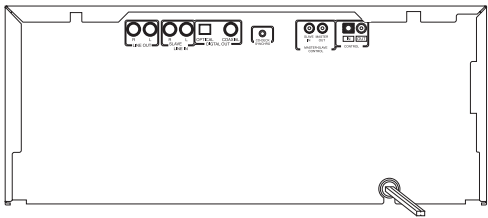
DV-C36



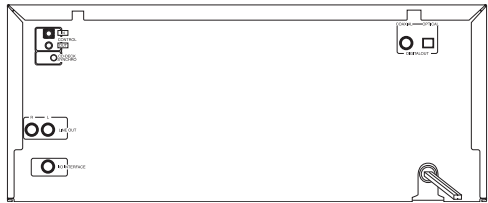
DV-F07



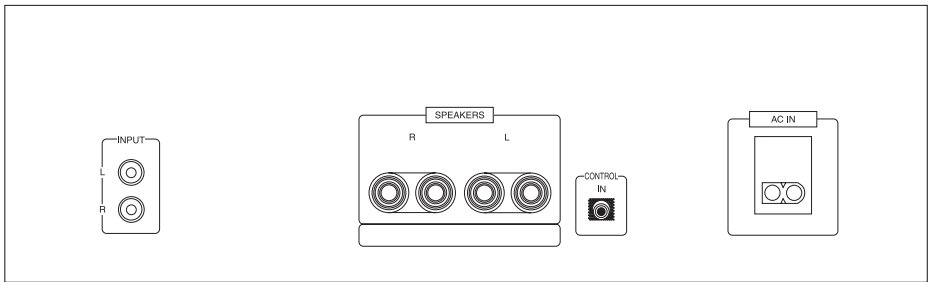
PD-F27



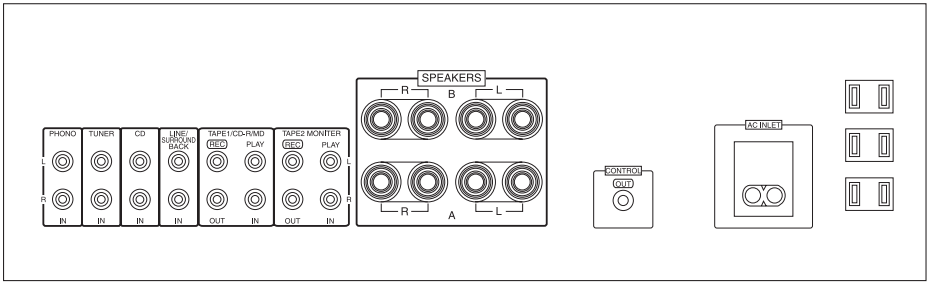
PD-F17



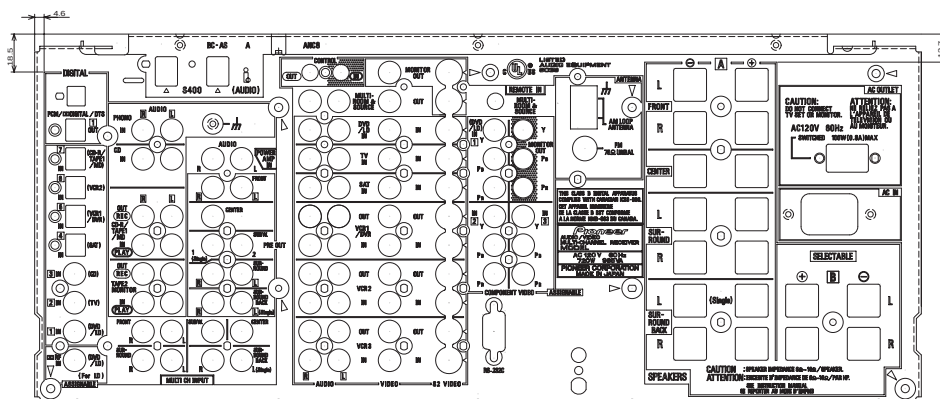
M-10 X



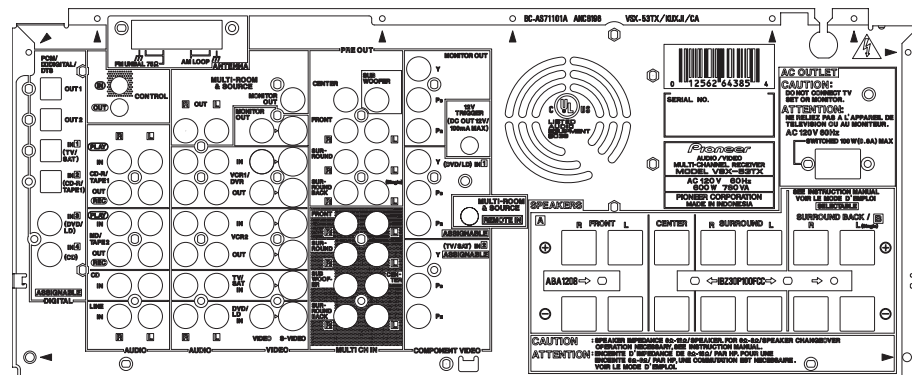
A-35 R



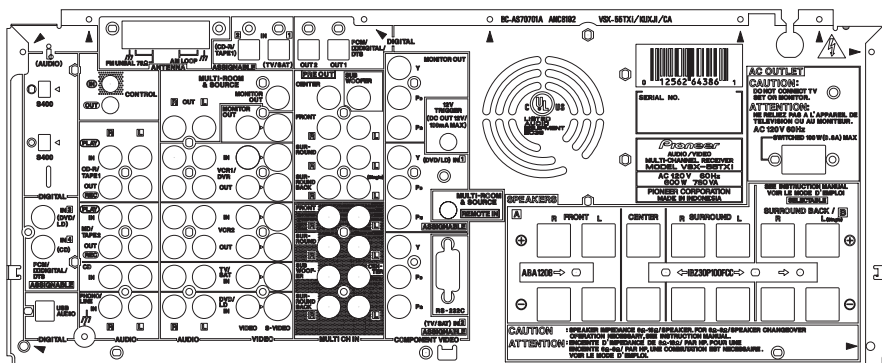
VSX-59TXi



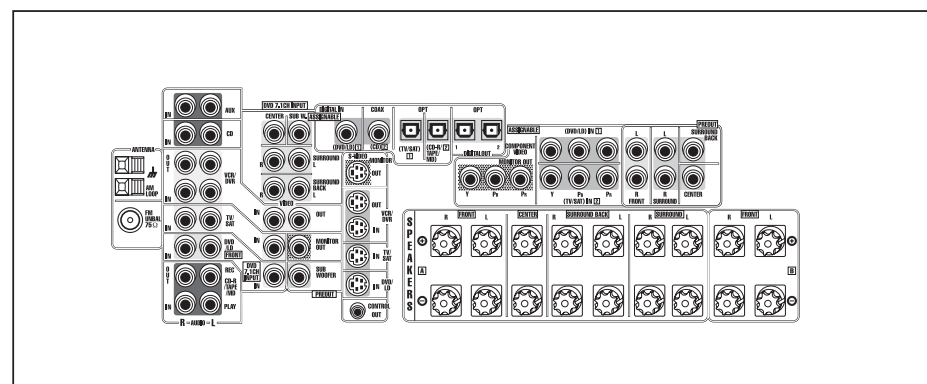
VSX-53TX



VSX-55TX



VSX-41





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Some discs may not be playable due to different recording formats or physical condition of the disc at the time of recording or playback.



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