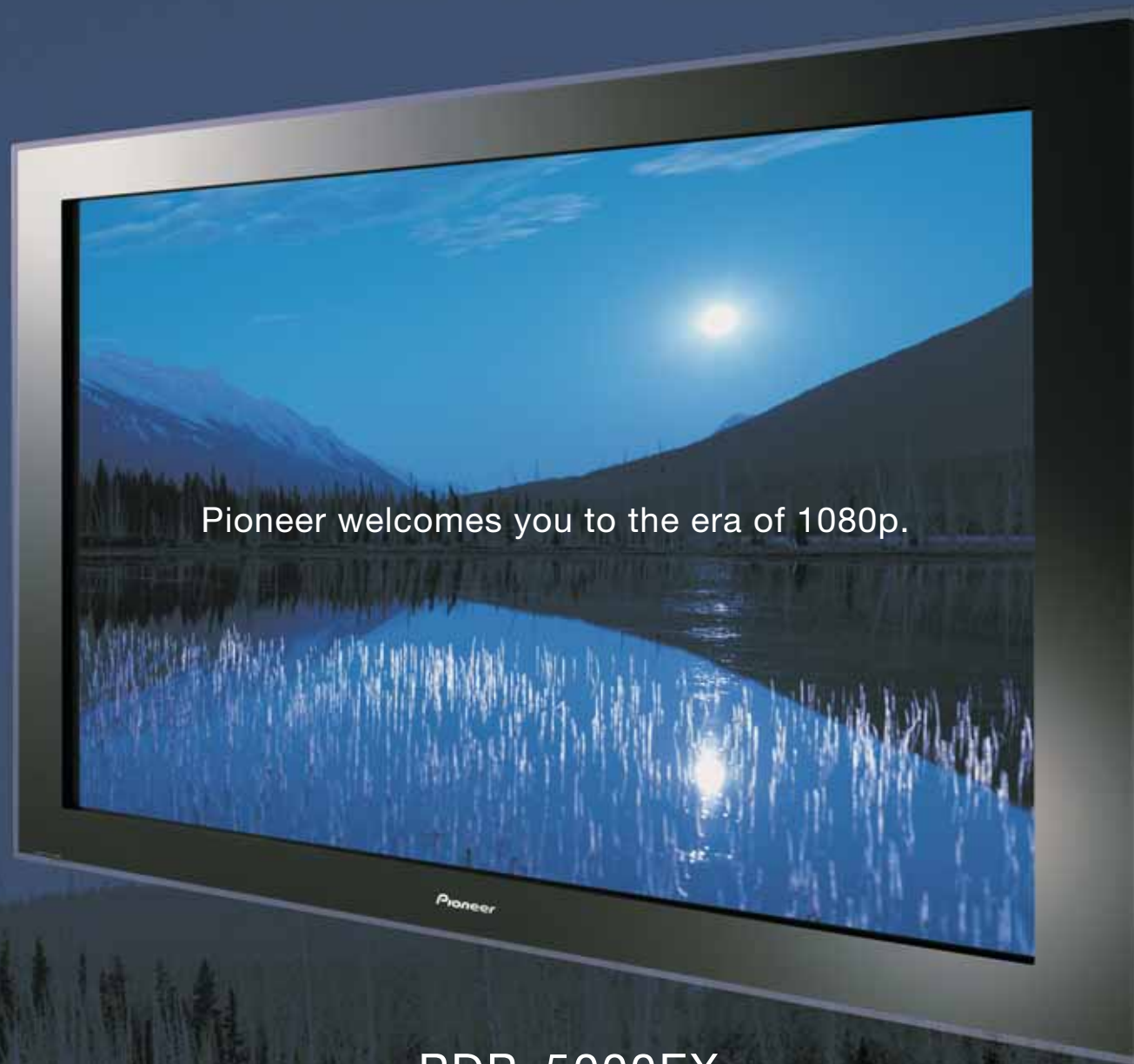


Pioneer *sound.vision.soul*



PURE
VISION

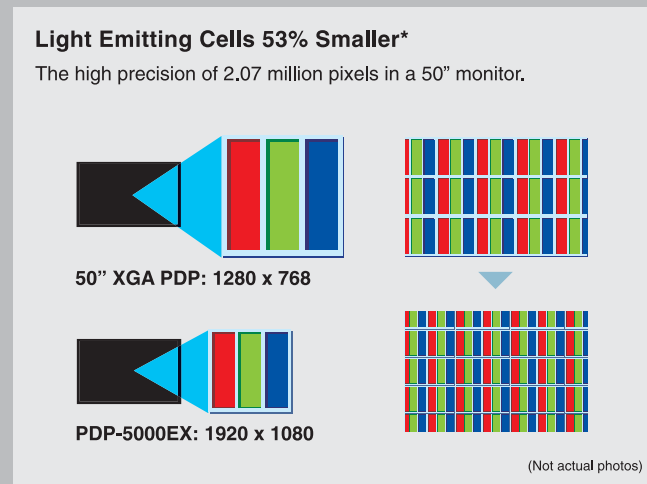
PDP-5000EX

1080p Resolution 50-inch Plasma Display

The highest pixel density, widest colour space available in a 50" plasma display and 1080p resolution for sensational colour performance.

■ **We made the pixels 53% smaller* in order to ideally reproduce 1080p resolution.**

The PDP-5000EX has pixels that are about 53% smaller than the PDP-506HD model.* This makes it possible to display 1920 x 1080 image quality into a 50" screen - the perfect size for easy installation in a home theatre room. This extraordinarily high pixel density results in images bursting with the amazing detail and a captivating three-dimensional feel.

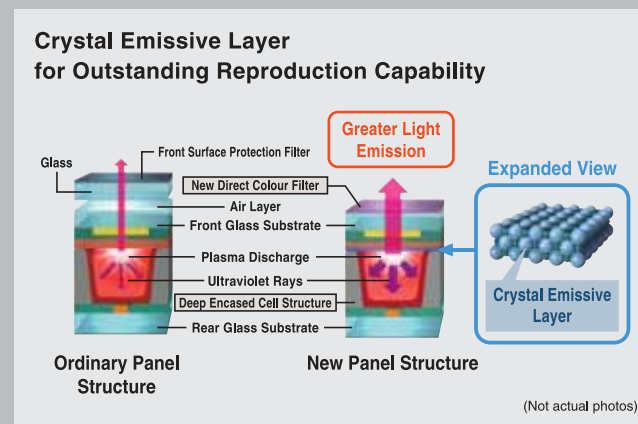


■ **PURE Drive provides superior gradation reproduction and a low S/N ratio.**

In order to achieve high-quality 1080p resolution, the PDP-5000EX utilizes PURE Drive - the latest refinement of Pioneer's unique high picture quality drive technology. Its incomparably precise gradation control from pure white to jet black achieves colour reproduction that is so clear it has a feeling of translucence, without any noise or false colour. The superb gradation performance results in vivid colours that are never muddy or blurry.

■ **Crystal Emissive Layer further enhances highly detailed 50-inch viewing.**

The PDP-5000EX uses an exclusive new Pioneer technology, a thin membrane layer coated on the inside of the front layer of the panel. Composed of high purity crystals, it enables extremely stable light emission from very small cells. This makes highly detailed 50" 1080p quality possible, while also achieving unprecedented reproduction of tight, lustrous black and the industry's widest* colour space (PAL ratio: 122%, NTSC ratio: 107%).



■ **Flex CLEAR Drive conveys delicate shading and luster.**

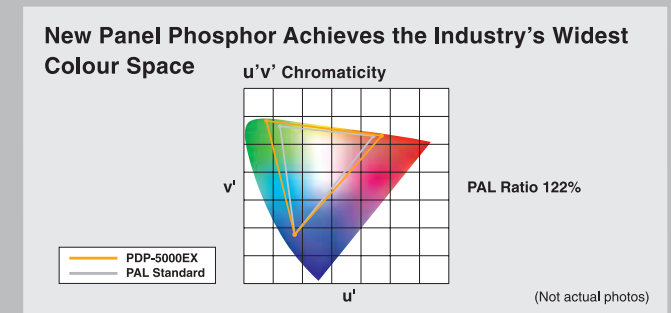
Flex CLEAR Drive is an exclusive digital image processing technology that automatically analyses the characteristics of a scene to distribute appropriate gradations of brightness and darkness. In scenes with both bright and dark parts, it reproduces the gradation of the bright areas with more detail and distinctness while displaying shadows with smoother gradation details in the dark areas. This makes every scene come alive, just as the director intended.

■ **New Direct Colour Filter for the industry's widest colour space.***

This new version of the Direct Colour Filter is optimised for the PDP-5000EX. The front glass plate has been removed and a compound film is used to suppress both superimposed reflection of external light and internal reflection. The result is that blacks are much sharper so colours stand out beautifully.

■ **New phosphor material with high colour purity**

A new phosphor material with a PAL ratio of 122% (NTSC ratio of 107%) achieves the widest colour space among all flat panel displays, including liquid crystal panels for stunningly rich colour performance.



■ **Deep Encased Cell Structure delivers high contrast.**

"Deep Encased Cell Structure" has become a byword for Pioneer PDP. The deep groove structure significantly increases the quantity of light emitted to achieve incredible brightness and stunning contrast. The continued refinement of this and other Pioneer plasma technologies results in the superior picture quality required for outstanding 1080p performance.

* 50" plasma display monitor. Pioneer research as of May 31, 2006. "PURE Drive" is an abbreviation of Plasma Ultimate Reference Exclusive Drive.



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The World's First Plasma Display to Pack 1080p into a 50-inch screen*

*According to Pioneer research as of May 31, 2006.



• From development of technology to production and assembly, the Pioneer PDP-5000EX is made entirely in Japan.

1080p Resolution 50-inch Plasma Display

PDP-5000EX



Your passport to a world of wondrously beautiful images.

■ Largest 1080p monitor in the world.*

The PDP-5000EX is the first 50" plasma monitor compatible with all 60/50**/24Hz vertical frequency 1080p video signals. And it is the largest display that can fully display 1080p high quality video signals.* Pioneer is the first to bring you this level of picture quality on a monitor this large.

* 50" plasma display monitor. Pioneer research as of May 31, 2006.

** In the case of 1080p (60/50Hz), certain functions are not available.

■ Remarkably low power consumption for a high picture quality 1080p resolution plasma display.

The new Crystal Emissive Layer also helps to reduce power consumption. Previously, high power was required to increase brightness as pixels were made smaller. However, because this new layer greatly improves light emitting efficiency, it permits exceptionally high brightness while consuming a minimum of power.

■ 1080p/24Hz compatibility lets you enjoy the excitement of a movie theatre in your living room.

The greatest benefit of the 1080p format is that it gives you the ability to fully enjoy movies. A 24 frame/second vertical frequency is used to record movies, and because the PDP-5000EX is compatible with this signal format, you can directly display 1080p movies without frame conversion.

■ Wide range of input terminals to fully handle the digital AV era.

The PDP-5000EX is equipped with two 1080p compatible HDMI terminals. It offers a wide range of input terminals including a DVI terminal for PC use, BNC terminal for video/PC use, S-video terminal and RCA terminal. These let you enjoy a diversity of formats with beautiful quality, ranging from the most advanced digital connections to the oldest analogue connections.

■ Remote control with premium quality aluminium finish.

The monitor has a simple design so you can concentrate on the images displayed on the screen. The dedicated remote control is made of aluminium to match this design. Its lustrous feel also matches the quality of the monitor's premium design.



High quality edge design.

Hairline aluminium finish on the dedicated remote control.

■ Professional customised calibration.

With ISF* C3 (Custom Calibration Configuration), your plasma panel can be optimised for your specific environment. Via an optional service, an ISF professional can precisely calibrate your plasma panel with customised levels of contrast, tint, colour level and other parameters. Two settings are then created to match your actual viewing and lighting conditions: one for bright daytime and one for evening.

* ISF is a trademark of Imaging Science Foundation, Inc.



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MAJOR FUNCTIONS

High Picture Quality

■ 1080p Resolution Panel

The 1,920 x 1,080 panel reproduces images in fine detail and with excellent texture representation.

■ Wide Colour Reproduction

New phosphor materials and new Direct Colour Filter provide even greater colour reproduction capability.

■ Crystal Emissive Layer

The new Crystal Emissive Layer stabilizes and speeds up electrical discharge. Because this can reduce the size of the initial charge, it can reproduce deep blacks. And with outstanding light emitting efficiency, it provides bright images while lowering power consumption.

■ New Direct Colour Filter

A filter with a new structure: compound film applied directly to the plasma panel. This eliminates the internal reflection caused by the front glass to achieve sharp black and clear images. It also reduces exterior light reflection (glare).

■ Deep Encased Cell Structure

A highly efficient panel structure that divides individual cells and increases the depth of the cells. It creates sharp images without interference between adjoining cells.

■ Flex CLEAR Drive

Analyses video characteristics to determine the gradation best suited to the video information. The ability to display high density gradations achieves smooth and natural images.

■ Colour Management

Fine colour adjustments with six parameters (red, green, blue, cyan, yellow, magenta) allow detailed, professional calibration.

■ Colour Temperature Setting

You can set the colour temperature to match the material, from warm to cool.

■ Gamma Setting

You can adjust the appearance of dark areas by adjusting the brightness/darkness balance of the image. This provides maximum detail in dark images.

■ PureCinema

This converts DVD movies recorded at 24 frames/second to 72 frames/second. It reproduces the smooth movement and texture of movie film.

■ MPEG NR

Smoothly creates low brightness images by restricting colour noise and roughness in dark scenes. Also removes the mosquito noise characteristics of MPEG video.

MAJOR FUNCTIONS

High Picture Quality

■ Two HDMI Inputs

Provides digital to digital transmission of video and audio signals. This allows enjoyment of highly detailed images faithful to the original data.

■ 1080p Signal Input Compatible

Accepts 1080 signals via an HDMI connection (24Hz refresh rate). Optimised for the reproduction of high quality images, this monitor allows viewing of the highest possible picture quality far into the future.

■ HDMI 10-bit input processing

HDMI 10-bit input compatibility (8-bit input at 1080p 50/60Hz) means the monitor can directly display high quality video sources, for superb reproduction performance.

For Ease of Use

■ Split Image (Picture & Picture)

The monitor can simultaneously display two images.

■ PC Connection

The monitor can be used as a PC display. An automatic adjustment function makes it easy to set the optimum format.

For Ease of Use

■ SR+

SR+ compatibility allows connection to a Pioneer AV receiver or 5.1-channel surround system via a four-core miniplug - allowing you to hide away extra equipment and see only your PDP-5000EX.

■ Simple Guidance

Explanations of various operations are displayed on the monitor, allowing easy operation with no need to check owners manual.

For Energy Saving

■ Energy Saver Modes

Energy Saver 1 and Energy Saver 2 modes let you enjoy TV while saving electricity.

■ No-Signal Off Mode

If a stipulated period of time elapses without a signal being received, the monitor automatically switches to standby mode.

■ Power Management

An energy saving function when using PC input. When there is no signal, the monitor enters standby mode.



Dedicated remote control

PDP-5000EX input/output terminals



PDP-5000EX SPECIFICATIONS

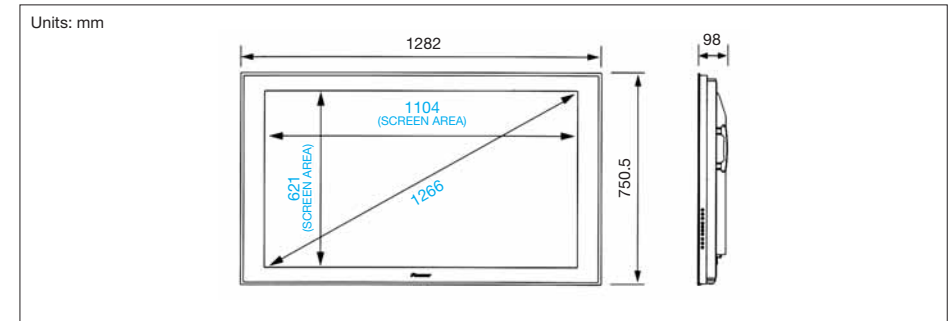
Display	Screen Size	50"	
	Effective Screen Size (W x H)	1,104 x 621 mm (1,266 mm Diag.)	
	Aspect Ratio	16:9	
	Number of Pixels (Horizontal x Vertical)	1,920 x 1,080	
Audio Output Power		13W + 13W, 8Ω	
Power Requirements		AC110-240 V, 50/60 Hz	
Power Consumption		420W (0.4W at stand by)	
Terminals		VIDEO	AUDIO
	Input 1	DVI-D*	Analog LR (RCA Pin)
	Input 2	HDMI	Analog LR (RCA Pin)
	Input 3	HDMI	Analog LR (RCA Pin)
	Input 4	RGB or YPbPr (BNC x 5)	Analog LR (RCA Pin)
	Input 5	Y/C (S)	Analog LR (RCA Pin)
	Input 6	Composite (RCA Pin)	Analog LR (RCA Pin)
	SR Control	Mini jack IN/OUT (SR+ compatible)	
Weight		39.8 kg	
Dimensions (W x H x D)		1,282 x 750.5 x 98mm	
Package Dimensions (W x H x D)/Weight		1,386 x 890 x 374 mm/49.0 kg	

* Compatible with Microsoft Plug & Play (VESA DCC 2B) and HDCP.

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- Specifications and design subject to modification without notice.
- HIGH-DEFINITION TELEVISION (HDTV) MONITOR: HDTV Monitor refers to a monitor or display with the following minimum performance attributes:
 - Display Scanning Format: Has active vertical scanning lines of 720 progressive (720p), 1080 interlaced (1080i), or higher.
 - Aspect Ratio: Capable of displaying a 16:9 image.
 - Displaying the same still images for long periods should be avoided as image shadowing or image retention may occur.
 - Plasma Display Systems display images consisting of hundreds of thousands of minute pixels (light emitting cells), and there is a possibility that some pixels may be inactive, flashing or continually illuminated. Plasma Display Systems are made of glass; be sure to mount the panel securely in a safe location to avoid damage from impact.
 - Plasma Display Systems, while in use may generate some functional sounds, for example: fan motor noise, and electrical circuit humming/glass panel buzzing. The Plasma Display System Media Receiver uses an on-board cooling fan. If the ambient temperature of the Media Receiver becomes high, the speed of the cooling fan increases and it may sound louder than normal during the cooling period. All phosphor-based display systems (CRT Television Systems - both direct view and projection televisions - as well as plasma display systems) may possibly have image retention and burn-in image problems. Recommended guidelines are as follows:
 - Do not display still images for long periods (such as fixed images for PC or TV game equipment, and/or time of day indicator or channel logo display).

Dimensions



Accessories



- Do not display content in the 4:3 aspect ratio (black or gray bars on left and right side of content) or letter-box content (black bars above and below of content) for extended periods of time, or use either of these viewing modes repeatedly within a short period of time. This Plasma Display System is equipped with multiple widescreen viewing modes; use one of these screen modes to fill the entire screen with content.
- Displaying dark images after displaying still images for a period of time may cause image retention. In most cases, the image retention can be corrected by displaying bright images for a similar period of time. However, if your Plasma Display System displays still images for additional long periods of time, the burn-in images may be irreparable.
- Plasma Display Systems may have a negative effect on sound or images coming from AM radios, PCs or video-related products.
- Plasma Display Systems emit slight amounts of IR (Infrared Emission) through luminous discharge technology. This IR is not harmful to living organisms, but may interfere with the operation of remote controls for other equipment, or cause static in equipment using IR (such as cordless headphones or cordless microphones).
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- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- SRS WOW, SRS and the  symbol are trademarks of SRS Labs, Inc.
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- VESA is a registered trademark of Video Electronics Standards Association.

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