



The world leader in PDP quality and innovation

Pioneer's reputation as the world's leading manufacturer of plasma display panels was solidified in 1997 with the release of the world's first 50-inch WXGA model, and is further confirmed by our fourth generation display, the PDP-50MXE1. We lead the industry not only in terms of performance

and functions, but also in the development of fundamental PDP technology. We proudly offer the highest quality of development, design and manufacture of all of our PDPs. We ensure strict adherence to the highest quality standards, allowing Pioneer Corporation to achieve ISO 14001 certification.

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Plasma Display Panels are high technology devices and are manufactured to the highest quality possible within current technology. There may however be a minute number of inactive "always lit" dots of red, green or blue visible on screen within the specification of the products. This does not indicate a malfunction.

Notice: This equipment is sold on the condition that it will be installed by a competent professional engineer with sufficient training and skill to carry out proper installation. Be sure to entrust the installation and set-up of this machine only to a competent professional or retail service engineer.

Pioneer cannot accept liability in cases where the equipment is damaged due to inappropriate installation location, improper assembly, installation, set-up, operation, renovation, or by natural disasters.

Features and specifications of the products described or illustrated in this catalogue are correct at the time of printing but could change as production changes might occur. This catalogue may contain typographical errors and the colours of the depicted products may deviate slightly from reality. Consult your Pioneer dealer to ensure that actual features and specifications match your requirements.

This catalogue may contain references to products that may or will not be available in your country.

PDP-50MXE1-16PP-EN Designed and produced by Planet Interactive Arts Limited, www.planet-ia.co.uk



- Outstanding Brightness
- Ultra High Contrast
- Superior Colour Purity
- 50 and 43 inch Screen Sizes
- 16:9 Aspect Ratio
- True XGA Compatibility
- Wide Range of Inputs
- High Reliability and Durability
- Touch Screen Option



PDP-50MXE1 / PDP-43MXE1

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43" and 50" Professional Displays

Pioneer launched the first XGA plasma display in 1997 and during the last seven years the company has enhanced the key technical facets of plasma technology; innovations that have significantly advanced the performance of plasma displays.

Building on its reputation for producing XGA professional plasmas, Pioneer has again raised standards with its two new 50" and 43" models available with either dark grey or silver bezels. The displays

introduce Pioneer's exclusive PURE Drive digital imaging processing engine to professional users. Unprecedented brightness levels combine with the strongest contrasts and over a billion colours for exceptionally vivid, clear and sharp images. Designed and built to meet the particular demands of professional users, Pioneer's displays are used worldwide by airports, train stations, retailers, trade shows and advertisers. They are also highly effective as corporate presentation tools.

Pioneer plasma displays: Uncompromising performance for the high quality presentation of images and data.

High reliability and durability

The durability of a PDP is closely related to brightness management. Pioneer has developed a method of influencing the lifetime of the panel. Customers can select from brightness settings including a 'linear' brightness mode that when applied can significantly increase panel life.

A number of screen management functions also extend the durability of the displays. These include 'orbiter mode' that automatically changes the display position, 'inverse mode' that reverses the image and 'full mask' that turns the entire screen into a single colour.

Each feature can be controlled using a screen management timer. Brightness difference detection and automatic brightness adjustment circuitry further protect the screen by helping to prevent uneven phosphor wear.

Key Features:

- Industry leading brightness levels
- High contrast (even in bright environments)
- Pioneer's unique Deep Encased Cell structure
- Exclusive PURE Drive digital technology providing improved image quality and the lowest power consumption levels in the industry
- Compatible with a wide range of PC signals
- High reliability and durability
- Enhanced multi language GUI greatly improves ease of use
- Wide range of installation options and features
- Multiple standard connectivity options for PC
- Two unique open architecture expansion slots
- A vast array of new professional features

50" PDP-50MXE1-S



43" PDP-43MXE1

Economical and environmentally friendly

Pioneer Plasmas provide the lowest power consumption in the XGA class. In the power save mode, power consumption is reduced by as much as 20 percent. All plastic parts comprise halogen free material as opposed to halogen fire resistant materials that are thought to be a source of dioxins during incineration. Metal parts have chrome free

plating wherever possible. Pioneer Plasmas comply with the standards of the International Energy Star Programme (without the use of PDA-5003/4). To ensure compatibility with Microsoft Windows, Pioneer's displays have been designed to meet the standards of the Windows Hardware Qualification Labs

(WHQL) and can be used confidently in a Windows environment.*



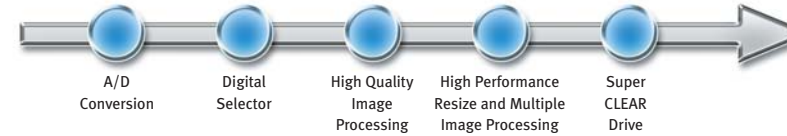
*Compatible with Microsoft Plug & Play (VESA DDC 1/2B)

PURE Drive Technology

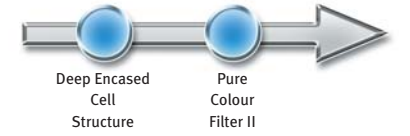
Pioneer's exclusive PURE Drive technology encompasses the entire range of image generation and processing that delivers the PDP-50MXE1 and PDP-43MXE1's astoundingly clear, smooth and

natural picture. Unlike other PDP systems, PURE Drive maintains all video signals in the digital domain, which eliminates signal loss, reduces distortion, and provides a far greater degree of image control.

Image Processing Technology

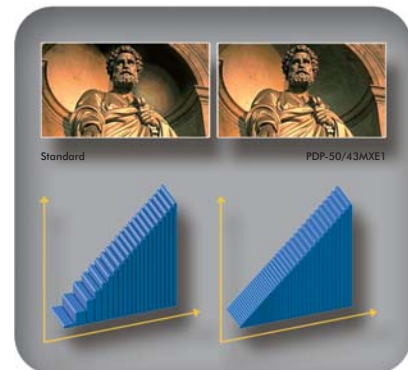


Panel Technology



Super CLEAR Drive

An important innovation is Super CLEAR Drive technology. It processes the basic colour elements enabling the reproduction of an astonishing 1.07 billion colours. It also virtually eliminates false contouring and improves greyscale by increasing the gradation steps from 1/5000 to 1/32500.

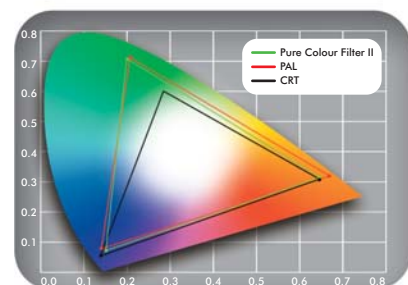


A stunning 1024 grey scales can now be achieved and the overall effect ensures that alternative displays simply cannot match the subtlety of colour and superb contrast – even in dark scenes – offered by Pioneer.

Pure Colour Filter II

Pioneer's innovative Pure Colour Filter II greatly decreases external light reflectivity. The result is significantly higher contrast that provides an extremely clear display even in light intensive environments. It also reduces the unnecessary frequency components of the red, green and blue signals to deliver improved colour reproduction and purity. The Pure Colour Filter II enables viewers to enjoy sharp pictures with no reduction in black contrast.

CIE Chromaticity Coordinates

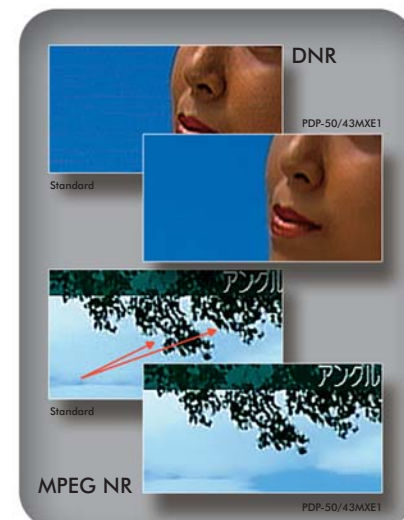


Brightness / Contrast

Pioneer Plasmas are the brightest in the industry and have incredibly high contrast. The panels produce an astounding 1000 candela brightness and 1100:1 contrast ratio on the PDP-50MXE1 and 1100 candelas/1200:1 on the PDP-43MXE1.

DNR and MPEG Noise Reduction

DNR (Digital Noise Reduction) reduces background noise when receiving analogue PC and video inputs. MPEG NR is a new feature that reduces picture noise caused by MPEG compression.



Natural Enhancer

The Natural Enhancer uses an Unsharp Mask filter to enhance outlines within an image.



IP Conversion

Interlaced images are converted to progressive to remove jagged edges. This creates a high density video signal resulting in a more natural and crisp image.



Digital Flicker Free System

Removes any trace of flicker from any image displayed.

Natural Resize

Artifacts caused by scaling are reduced producing a clear, bright, natural image.

Y/C Separator*

An adaptive 3 line digital Y/C separator circuit for PAL and a digital BPF (Band Pass Filter) for SECAM, reduces dot disturbance dramatically.

CTI Circuit and 10 bit Digital Chroma Decoder*

The Digital CTI (Colour Transient Improvement) and 10 bit decoder circuits significantly reduce colour noise and make colour edges smoother and sharper.

Pure Cinema Mode*

Complete synchronisation of images from PAL, NTSC and 24 frame film sources provide a perfect cinema experience.

* Video signals can only be input after installation of an optional video expansion card (e.g. Pioneer PDA-5003/4)

Improved Deep Encased Cell Structure



True matrix imaging with Deep Encased Cell Structure

The cells of a plasma display panel are where the light is generated and are a crucial determinant of its image reproduction capabilities. Pioneer has developed the Deep Encased Cell Structure that eliminates light leakage from neighbouring cells both above

and below to sharpen image clarity. The Deep Encased Cell has increased phosphor volume advancing illumination efficiency and generating much brighter images of up to 1100 candelas. The efficiency gains ensure that the PDP-

50MXE1 and the PDP-43MXE1 offer the lowest power consumption in the WXGA class. Pioneer has further refined this technology by improving the green phosphor to support better colour balance and superior greyscale performance.

Professional Features

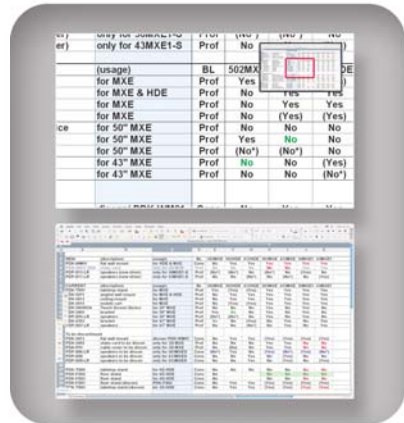
Pioneer plasmas are renowned for their comprehensive functionality and wealth of professional features. These have been carefully designed to enable easy operation, installation and seamless integration into a wide range of business applications.

Intelligent Auto Setup

Auto Setup Mode: Allows instant 'one-touch' screen synchronisation with a PC.
Auto Adjust Mode: Detects the PC signal and automatically adjusts the position of the image on screen.

Point Zoom

The Enhanced Point Zoom function lets you instantly expand a PC image in three steps (1.5x, 2.0x, 3.0x), great for emphasising key points in presentations. The zoom navigation sub-display area makes it easy to confirm the expanded portion.



Colour Detail Adjustment

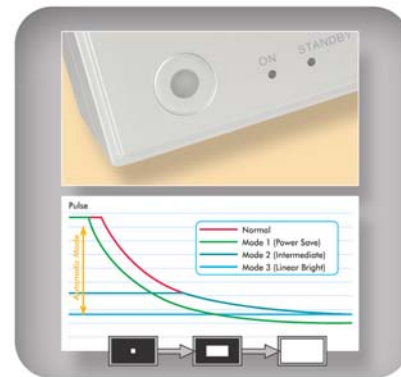
Colour adjustment can be performed to emphasise any specific colour without affecting other colours.



Energy Save Modes

In addition to the standard operating mode the panels offer a choice of four energy save modes:

Power Save: Maintains peak white performance whilst reducing power consumption by around 15 percent.
Intermediate: Reduces power consumption further than power save mode, whilst maintaining strong peak white performance.
Linear Brightness: Reduces the peak intensity of high brightness images, effectively improving screen life and minimising the possibility of image burn.
Auto Brightness Control: A sensor automatically adjusts the brightness mode depending on room lighting.



Multi Language OSD

Easy to use GUI in seven languages. (English, French, German, Italian, Japanese, Spanish and Chinese).



Layered Keylock

A number of functions can be locked to make the display system more secure. Lock modes are On/Off, Main Unit Buttons, Remote Control, Main Unit Button + Remote Control and Memory Lock, which selects input, screen and volume default settings when the unit is turned on.

LED OFF Mode

The LED can be turned off even while the PDP is in a Power On state.

Smart Cooling System

Internal fans are activated only when needed, keeping fan noise to a minimum and conserving power.

Screen Management Timer Feature

When activated, several programmable functions are performed, such as power ON and OFF, Inverse mode and full mask.

Integrator Menu

An Integrator Menu is provided especially for installers, and permits precise white balance adjustment, as well as control of various professional functions that enable the display to be perfectly tailored to its installed environment.

RS-232C Features

A supplied expansion card provides an RS-232C external control interface and combination terminals to permit operation of the unit from a remote PC or control system.

FRC Feature

FRC (Frame Rate Converting) synchronises video and PC signals between 50Hz - 60Hz compatible to the PDP VESA Standard, and allows for perfect synchronisation of images from a 24 frame film source.

Broadcast Modes

Professional broadcast features include an overscan mode and colour off setting.

Multi Picture Display

The PDPs offer a choice of three dual picture modes for simultaneous display of images from any of the connected inputs. Any combination of inputs and signal standards can be displayed together:



Split-Screen

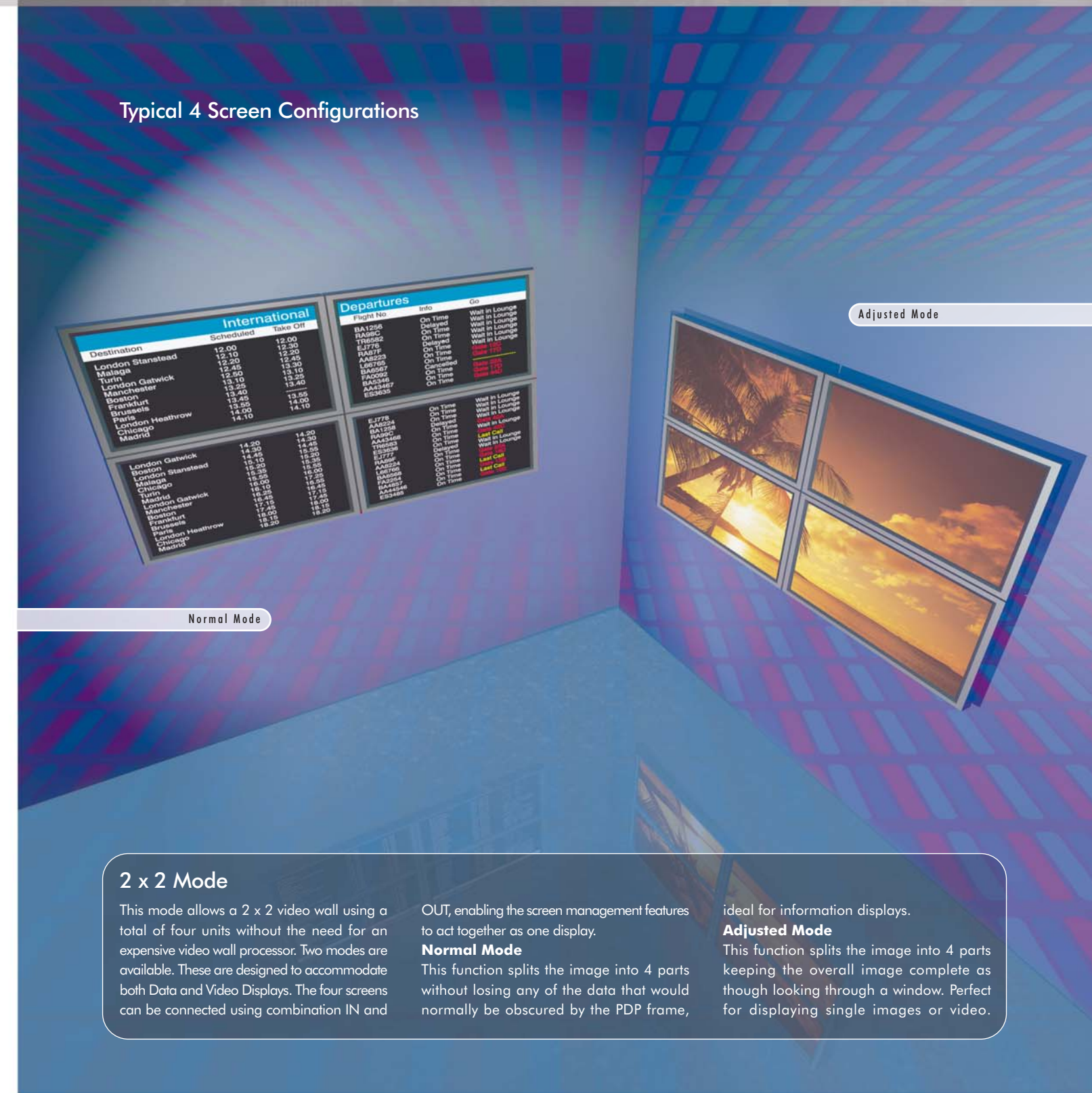


Picture-in-Picture: Small picture can be moved to any of the four corners.



Picture-out-Picture: Larger image is true XGA. (PDP-50MXE1)

Typical 4 Screen Configurations



2 x 2 Mode

This mode allows a 2 x 2 video wall using a total of four units without the need for an expensive video wall processor. Two modes are available. These are designed to accommodate both Data and Video Displays. The four screens can be connected using combination IN and

OUT, enabling the screen management features to act together as one display.

Normal Mode

This function splits the image into 4 parts without losing any of the data that would normally be obscured by the PDP frame,

ideal for information displays.

Adjusted Mode

This function splits the image into 4 parts keeping the overall image complete as though looking through a window. Perfect for displaying single images or video.

Expansion Solutions

Pioneer plasma displays provide unparalleled connectivity. In addition to the standard 15 Pin D-sub and DVI-D connector, the displays include two open architecture expansion slots. One slot is dedicated for signal input with two optional Pioneer expansion cards available to handle all of the major video signals. The second is a unique communications slot that includes an RS-232C

expansion card as standard. With their open architecture, these slots enable interchangeable cards to be designed by third party developers to handle all current and future analogue, digital and communications signals. They also provide the flexibility for systems integrators to design plasma installations to customers' exact specifications.

Using an embedded expansion card in place of an extended solution can drastically cut down on the infrastructure needed to support any installation. This will reduce cost and increase reliability thus limiting potential downtime.



RS-232C Commands

The standard RS-232C card supports operation from a remote PC or control systems, typically used in corporate and public display environments. The interface offers bi-directional control so that displays can be linked together and controlled individually

from a central point - monitoring what input is being shown and how the displays are operating. The RS-232C card can be interchanged with a potentially limitless array range of expansion solutions that can be designed for the

communications slot. It is designed for signals that include IEEE1394, USB, Ethernet, and Web-Servers but can accommodate any other source that developers design cards for to greatly extend the application capabilities of plasma displays.



PDA-5003

The PDA-5003 expansion card includes 1 x S-Video (Y/C), 2 x BNC composite video (IN/OUT), 2 x RCA audio inputs (L/R) and 5 x BNC terminals to receive both component

and analogue RGB. The card is designed for digital signage, information display, video and broadcast applications - where more robust cable connection is required. Applications

include the display of promotion content at exhibitions, video clips in entertainment complexes and advertisements in terminals, public installations and retail premises.

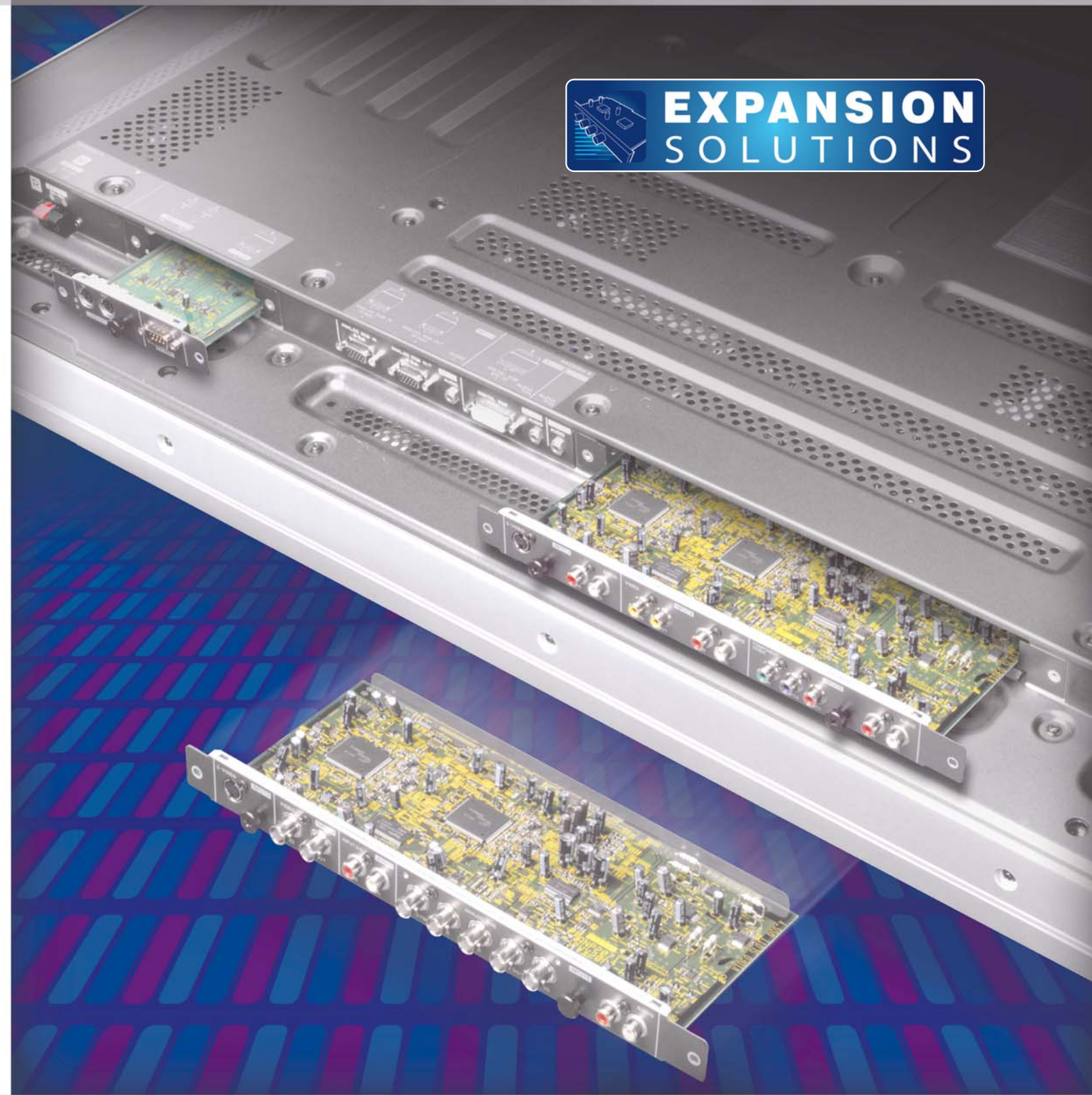


PDA-5004

The PDA-5004 video expansion card is designed with presentation applications in mind. In line with the RCA connections used by office and consumer devices, the card

offers 1 x S-Video (Y/C), 1 x RCA composite, 3 x RCA component input connectivity and 1 x RCA composite output. Three audio inputs are provided by RCA (L/R).

The card will support education applications as well as the display of corporate video in public areas.



*NOTE. Only use cards designed or approved by Pioneer.

Touchscreen Solutions

Turn plasma displays into touch panels for all types of applications. Pioneer Plasma displays have revolutionised the way to present information in a more powerful and effective way than ever before. You can now add even more functionality to your PDPs,

by turning them into complete interactive touchscreen systems with the PDK-50HW2. This is an invaluable tool that will make presentations more streamlined for the presenter and more impressive to the viewer.

When connected to a PC the PDK-50HW2 turns the display into a touch panel that can be written on with either the dedicated pen or your finger. You can control all types of applications, such as presentation software, media players or even web browsers. When used in conjunction with whiteboard software the pen can be used to write or draw directly over any application shown on the display allowing you to add comments, highlight data, delete and amend as needed, then save whatever you write as a file straight onto your hard disk. Presentations, lectures and meetings, etc. become much more interactive and efficient. With fast installation and simple operation, the PDK-50HW2 will expand the potential of your plasma display.

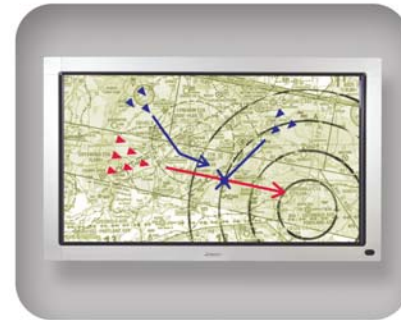
In the Office

Presentations and meetings will be more persuasive and effective when you can add handwritten input without moving from the display. Comments and symbols can be added to emphasise important points as you present.



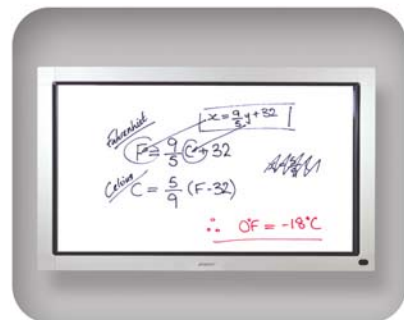
In the Forces

Military briefings could be conducted straight onto aerial photographs or maps, then duplicated for each member of a team instantly, saving valuable time as task forces need not take their own notes.



In Education

Teaching methods would be greatly enhanced as information that was written or drawn in any class, could be easily retrieved for the next lesson, which would give a greater continuity for the pupils.



In Medicine

Surgeons can effectively conduct live demonstrations to larger groups of doctors using the plasma touchscreen to highlight their points of discussion instead of using patients.



Other Applications

The versatile PDK-50HW2 can be used in a variety of professional applications, including retail, exhibition, kiosk and a range of demonstration uses, either in horizontal or vertical installations.

Five Major Benefits

1 High-speed

- Infrared scanning system offers optimal performance with high-definition.
- Infrared system does not interfere with PDP images.
- WXGA Resolution (1280 x 768)
- High-speed circuitry processes any touch-based input with zero delay.

2 No calibration

- Stable, no drift, no calibration. The Pen coordinates do not slip. Ideal for use as permanent installations.
 - High reliability. No slippage in calibration when PDP is moved.
- Note: Only necessary at initial setup or when PC output resolution is changed.

3 Easy installation and flexible layout

- Only 1258 x 758 x 113mm and has an additional weight of just 5.9kg.
- Easy setup. Just connect to data source devices via the RS-232C terminal.
- The PDK-50HW2 is compatible with mobile cart, wall-mount and ceiling-mount accessories.

4 Interactive pen

- In addition to touch-based operation, a dedicated pen is provided.
- Pen incorporates mouse button feature (left, right, middle), allowing it to be used for operation of various PC applications.
- Roll prevention, battery-check function and loop string attachment included.
- Ideal for handwriting applications*

5. Custom driver software

- Custom driver software including: Windows98/ME/NT, (SP4)/2000 (Professional), /XP (Home Edition/Professional Edition).
- The custom driver enables optimal, high-speed management of scanned coordinate data and easy operation of various applications via pen or touch-based input using only an RS-232C connection.
- Vast display resolution range. In addition to the recommended resolution of 1280 x 768, projection of resolutions from VGA to UXGA is also possible.
- Driver allows for portrait/landscape mode use.



PDK-5014 Optional Mobile Cart

The versatile PDK-50HW2 and PDP-50MXE1 fit easily onto a mobile cart, allowing for portable and flexible applications in any

environment. When security is an issue, the addition of a mobile cart will allow you to move the system out of public areas and

into secure rooms overnight. The cart is fitted with a versatile adjustable shelf for supporting a variety of input peripherals.

Notes: Unlike other touch screen systems, the Pioneer PDK-50HW2 does not suffer from image degradation due to parallaxing as there is no screen positioned in front of the display. PDP-50MXE1 sold separately. *For handwriting, additional drawing software is required.

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Accessories

Pioneer offer a high quality range of accessories, designed to cater for all professional applications.

PDP-S07-LR (Dark Grey) PDP-S17-LR (Silver)
Side-mount speakers (43")



2-way speakers with a dome tweeter.

PDP-S05-LR (Dark Grey) PDP-S15-LR (Silver)
Side-mount speakers (50")



2-way speakers with a dome tweeter.

PDK-5012 Ceiling mount kit (50"/43")



Adjustable angled ceiling mount for overhead installations.

PDK-5011 Wall mounting bracket (50"/43")



Tilting wall mounting unit.

PDK-WM01 PDP Bracket



Multi-purpose bracket for flexible installations.

PDK-5014 Mobile cart (50"/43")



For portable installations.

PDK-TS01 Table top stand (50"/43")



Table top stand for desk or boardroom installations.

PDK-5005 (50") PDK-4303 (43") Bracket



Standard wall mounting unit.

PRV-LX10 Industrial DVD Recorder

The PRV-LX10 is an industrial DVD-Video recorder from Pioneer, the world leader in DVD technology. Designed specifically for the professional market it features simple operation with a wide range of features and functions that complement any video production environment. The PRV-LX10 Professional DVD-Video recorder features a modular design with 120GB hard drive, real-time recording, menu creation and up to two DVD-R/RW drives all in one unit.



DVD-V7300D Industrial DVD Player

Pioneer has produced the ultimate industrial DVD-Video player. The DVD-V7300D has been designed and built exclusively with the professional market in mind. This DVD-Video player not only features all the regular functions of a normal player, but adds a host of new features including RS-232C control, frame accurate search function and real-time clock and programming all encased in a robust dustproof industrial design.



Industrial use with robust design

As a normal playback tool or as an interactive presentation unit, the DVD-V7300D is ideal for exhibitions and conferences. The dust proof design protects the unit under difficult conditions ensuring continuous playback. The player can be used on its own, or multiple players can be linked together to make stunning multi-image presentations. The DVD-V7300D also supports video synchronisation by using the Gen lock signal.

Flexible for increased performance

Because of its added features this professional player can serve as an interactive kiosk unit or in other in-shop solutions. Any additional peripherals, such as a touch screen, control box or similar with a RS-232C connector may be used as a control unit. The unit's internal processor eliminates the need for a PC. The DVD-V7300D is a unique

user-friendly stand-alone system for problem free frequent use.

Getting the picture

The DVD-V7300D has accurate frame search. For the corporate video market or for DVD authoring facilities this DVD player provides the only professional means of thoroughly checking your material frame by frame, high quality playback or control via a PC (RS-232C). All elements are important parts of the professional's check list.

Unique training applications

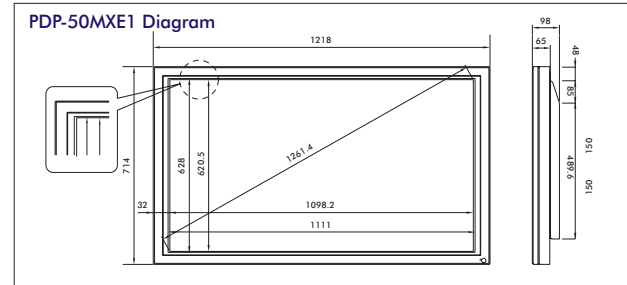
By connecting a mouse and a keyboard the DVD player is transformed into a multi-purpose training tool. You may freeze the picture (or leave it running), highlight an area by circling it for instance, and then type on the screen. This will make presentations easier to perform as well as understand.

Specifications

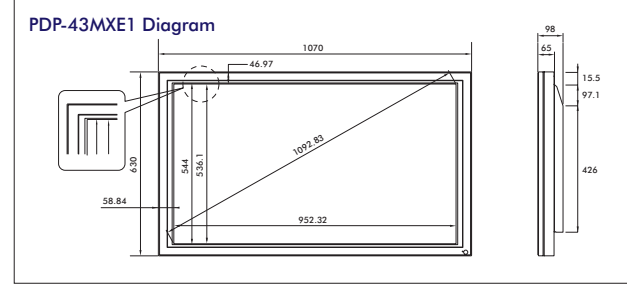


Standard Terminal Configuration

PDP-50MXE1 General Specifications	
Effective Screen Size	1098.2(W)x620.5(H)mm
Aspect Ratio	16:9
Number of Pixels	1280(Hor.)x768(Ver.)
Pixel Pitch	0.858(Hor./RGB trio)/0.808(Ver.)mm
Colour Resolution	1024 grey scale, 1.07billion colours
Brightness	100cd/m2 (white peak)
Dimensions	1218(W)x714(H)x98(D:Not including handles)mm
Weight	41.0kg
Power Consumption	360W ~ 1W at stand by
Power Requirements	AC 100-240V±10% 50/60Hz
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80%
Safety Regulations	UL 1950, FCC 15B class B, C-UL, CE(EN60950, EN55022 classB, EN55024, EN61000-3-2, EN61000-3-3), IEC950, C-Tick (AS/NZS3260, AS/NZS3548)



PDP-43MXE1 General Specifications	
Effective Screen Size	952.32(W)x536.1(H)mm
Aspect Ratio	16:9
Number of Pixels	1024(Hor.)x768(Ver.)
Pixel Pitch	0.930(Hor./RGB trio)/0.698(Ver.)mm
Colour Resolution	*1024 grey scale, 1.07billion colours
Brightness	110cd/m2 (white peak)
Dimensions	1070(W)x630(H)x98(D:Not including handles)mm
Weight	33.0kg
Power Consumption	298W ~ 1W at stand by
Power Requirements	AC 100-240V±10% 50/60Hz
Operating Temperature	0°C ~ 40°C
Operating Humidity	20% ~ 80%
Safety Regulations	UL 1950, FCC 15B class B, C-UL, CE(EN60950, EN55022 classB, EN55024, EN61000-3-2, EN61000-3-3), IEC950, C-Tick (AS/NZS3260, AS/NZS3548)



Accessories		
Power Cord	Remote Control Unit	Remote Control Unit Holder
AA(R6) batteries	Cleaning cloth (for screen)	2 Speed clamps
2 Bead bands	2 Display stands	2 Washers
2 Hex hole bolts(M8x40)	Operating Instructions	

Control Terminals		
RS-232C	Connector	D-sub 9-pin
For control of personal computer	Baud rate	1200, 2400, 4800, 9600, 19200, 38400 bps
Combination IN/OUT	Connector	Mini-DIN 6-pin (x2)

Signal Input/Output Terminals				
Input 1	IN	Connector	Signal	Level/Impedance
		Mini D-sub 15Pin	Analogue RGB Signal (G on Sync compatible)	RGB: 0.7Vp-p/75% G on Sync: 1Vp-p/75% HD/CS,VD: TTL level/2.2k% 75% Compatible with Microsoft Plug & Play (VESA DDC 1/2B)
	OUT	Mini D-sub 15Pin	Analogue RGB Signal (G on Sync compatible)	75%
Input 2	IN	DVI-D 24 Pin	Digital RGB Signal (DVI Standard)	Compatible with Microsoft Plug & Play (VESA DDC 2B) Not compatible with Copy Protection (HDCP)

Audio Input/Output Terminals			
Audio Input 1	IN	Stereo mini	L/R: 500mVrms/more than 10k% L/R: 500mVrms/more than 10k%
Audio Input 2	IN	Stereo mini	L/R: 500mVrms/more than 10k%
Audio Output	OUT	Stereo mini	L/R: 500mVrms/less than 5k% Fixed L/R: 0-500mVrms/less than 5k% Variable
Speaker	OUT		L/R: 8-16% ω /7W + 7W(8% ω)

PC Input Signal					
Resolution dot x line	Vertical Frequency	Horizontal Frequency	Digital RGB	Usage	
640x400	56.4Hz	24.8kHz		NEC PC-9800	
720x400	70.1Hz	31.5kHz		NEC PC-9800	
640x480	85.1Hz	37.9kHz			
	60Hz	31.5kHz	YES	Apple Macintosh 13"	
	66.7Hz	35.0kHz			
	72.8Hz	37.9kHz			
	75Hz	37.5kHz			
	85Hz	43.3kHz			
848x480	60Hz	31.0kHz	YES		
	800x600	56Hz	35.2kHz	YES	
	60Hz	37.9kHz	YES		
	72Hz	48.1kHz			
	75Hz	46.9kHz			
	85Hz	53.7kHz			
832x624	74.6Hz	49.7kHz		Apple Macintosh 16"	
	1024x768	60Hz	48.4kHz	YES	
	70Hz	56.5kHz			
	75Hz	*60.0kHz (74.9Hz)	(60.2kHz)		() Indicates Apple Macintosh 19"
	85Hz	68.7kHz			
	60Hz	44.7kHz			
1280x720**	60Hz	44.7kHz			
1280x768**	56Hz	45.1kHz	YES		
	60Hz	47.8kHz	YES		
	70Hz	56.1kHz			
1152x864*	60Hz	53.7kHz	YES		
	72Hz	64.9kHz			
	75Hz	67.5kHz			
1152x870*	75.1Hz	68.7kHz		Apple Macintosh 21"	
1152x900*	66Hz	61.8kHz		Sun Microsystems LO	
	76Hz	71.7kHz		Sun Microsystems HI	
	60Hz	60.0kHz	YES		
1280x960*	60Hz	64.0kHz	YES		
1280x1024*	75Hz	80.0kHz			
	85Hz	91.2kHz			
	60Hz	65.3kHz	YES		
1400x1050*	75Hz	82.3kHz			
	85Hz	93.9kHz			
	60Hz	75.0kHz			
1600x1200*	65Hz	81.3kHz			
	70Hz	87.5kHz			
	75Hz	93.8kHz			
	85Hz	106.3kHz			

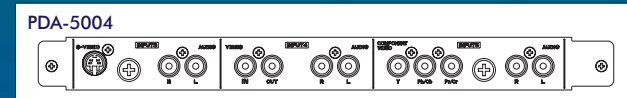
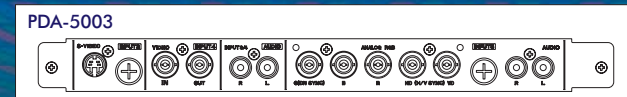
*Compressed or partial display
**Compressed or partial display on 43PDP

PDP-50MXE1 Personal computer screen display						
True	VGA	SVGA	XGA	WXGA	SXGA	UXGA
4:3 Compressed						
Full						
Partial						

* 4:3 and Full pictures are compressed. Partial images are shown in real size.

PDP-43MXE1 Personal computer screen display						
True	VGA	SVGA	XGA	WXGA	SXGA	UXGA
4:3 Compressed						
Full						

* Compressed. Note: WXGA input is 1280 x 768



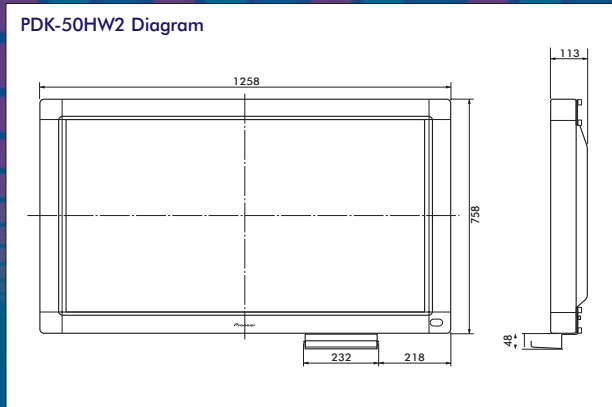
PDA-5003 Video Input/Output Terminals					
Connector	Signal	Level/Impedance	Y/C Separate video signal	Y: 1Vp-p/75% C: 0.286Vp-p/75% (NTSC) C: 0.3Vp-p/75% (PAL)	
Input 3	IN	Mini DIN 4 Pin S Terminal			
Input 4	IN	BNC	Composite video signal	1Vp-p/75% 75%	
	OUT	BNC	Composite video signal	1Vp-p/75% 75%	
Input 5	IN	BNC x 5	Analogue RGB Signal	RGB: 0.7Vp-p/75% G on Sync: 1Vp-p/75% HD/CS,VD: TTL/75% or 2.2k% switchable	
			Compatible with G on Sync	Y: 1Vp-p/75% Pb/Cb, Pr/Cr: 0.525Vp-p/75%	

PDA-5003 Audio Input/Output Terminals			
Audio Input (Input 3/4)	Connector	Level/Impedance	
	RCA pin x 2	L/R: 500mVrms / more than 10k% L/R: 500mVrms / more than 10k%	
Audio Input (Input 5)	RCA pin x 2	L/R: 500mVrms / more than 10k% L/R: 500mVrms / more than 10k%	

PDA-5004 Video Input/Output Terminals				
INPUT 3	IN	Connector	Signal	Level/Impedance
		Mini DIN 4Pin S terminal	Y/C Separate video signal	Y: 1Vp-p/75% C: 0.286Vp-p/75% (NTSC) C: 0.3Vp-p/75% (PAL)
INPUT4	IN	RCA	Composite video signal	1Vp-p/75% 75%
	OUT	RCA	Composite video signal	1Vp-p/75% 75%
INPUT5	IN	RCa3	Component video signal	Y: 1Vp-p/75% Pb/Cb, Pr/Cr: 0.525Vp-p/75%

PDA-5004 Audio Input/Output Terminals		
Audio Input (Input 3)	Connector	Level/Impedance
	RCA pin x 2	L/R: 500mVrms/more than 10k% L/R: 500mVrms/more than 10k%
Audio Input (Input 4)	RCA pin x 2	L/R: 500mVrms/more than 10k% L/R: 500mVrms/more than 10k%
Audio Input (Input 5)	RCA pin x 2	L/R: 500mVrms/more than 10k% L/R: 500mVrms/more than 10k%

PDA-5003/4 Video Signal Compatibility			
Fv(Hz)	Fh(kHz)	Signal Format	Remarks
50	15.625	Component/RGB	576i/SDTV
	28.13	Component/RGB	1080i/HDTV
	31.25	Component/RGB	576p/SDTV
	37.50	Component/RGB	720p/HDTV
	56.20	Component/RGB	1080p/HDTV
	62.50	Component/RGB	1250p/HSDTV
60	15.374	Component/RGB	480i/SDTV
	31.5	Component/RGB	480p/SDTV
	33.75	Component/RGB	1080i/HDTV, 1035i/HDTV
	45.0	Component/RGB	720p/HDTV
	67.5	Component/RGB	1080p/HDTV



PDK-50HW2 System Requirements	
Supported Hardware	
Setup:	IBM PC-AT Compatible
CPU:	More than MMX233MHz
Video card:	Recommended 1280 x 768 (Wide XGA) supported products
Display:	PIONEER PDP-50MXE1 Plasma display
HDD:	Only Cbdrv main part is at the installation time. About 6MB
Supported Operating System	
Microsoft Windows 98 Second Edition	
Microsoft Windows Millennium Edition	
Microsoft Windows NT 4.0 Workstation (SP3 or later)	
Microsoft Windows 2000 Professional	
Microsoft Windows XP (Professional/Home Edition)	

PDK-50HW2 Dedicated Pen	
Transmission	Ultrasonic wave
Operation switches	Pen tip x 1, Body x 2
Power	AAA (LR03) alkaline battery x 1
External dimensions (W x L)	27 x 182 mm
Weight (including battery)	55 g

PDK-50HW2 General Specifications	
Scanning system	Infrared scanning
Resolution	1280 x 768
Input connectors	DC-IN jack (6V, 1A)
Communication connector (RS-232C)	RS-232C (D-sub 9-pin straight)
Power switch	Rocker type
Power indicator	LED
Power	AC100 - 240V, 50/60 Hz
Power consumption	8-13 W (100-240 V)
Input method	Finger or dedicated pen
External dimensions (W x H x D)	1,258 x 758 x 80 mm
Weight	5.9 kg

PDK-50HW2 Accessories	
Included	Optional
Pen	PDK-T501 Table Top Stand
Replacement pen tips (2 pcs)	PDK-5011 Angled Hang On Wall Unit
Pen stand	PDK-5012 Ceiling Mount Kit
Operating Instructions	PDK-5014 Mobile Cart
RS-232C cable (3 m)	
AC adaptor	
Power cord	
Driver software disc (Cbdrv)	

Notice: This equipment is sold on the condition that it will be installed by a competent professional engineer with sufficient training and skill to carry out proper installation. Be sure to entrust the installation and setup of this machine only to a competent professional or retail service engineer. Pioneer cannot accept liability in case where the equipment is damaged due to inappropriate installation location, improper assembly, installation, set-up, operation or renovation, or by natural disasters.



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