Pioneer sound.vision.soul

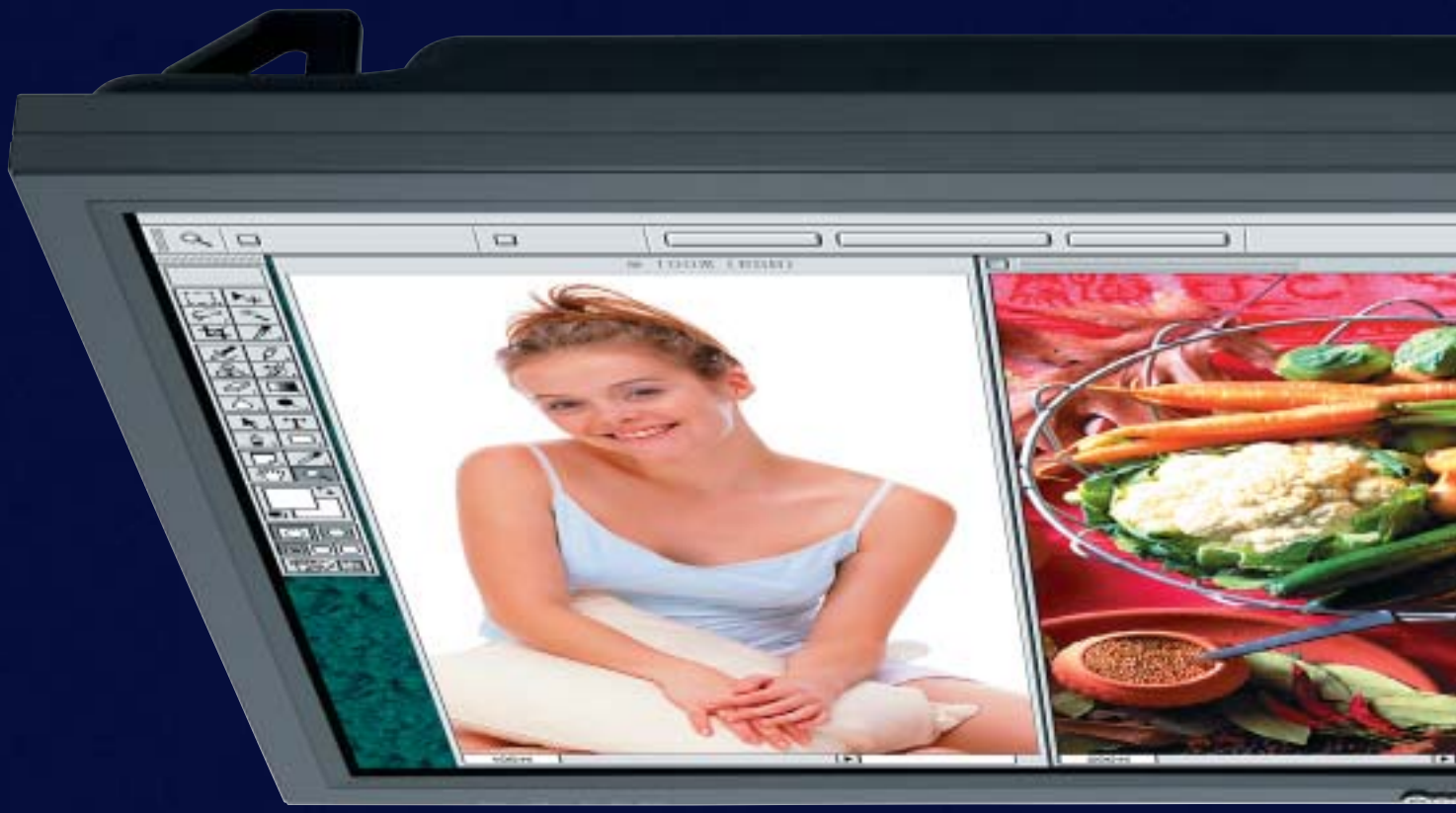
Raising the Art of Widescreen Display to a New Level.

61-inch WXGA Professional Plasma Display

PDP-614MX

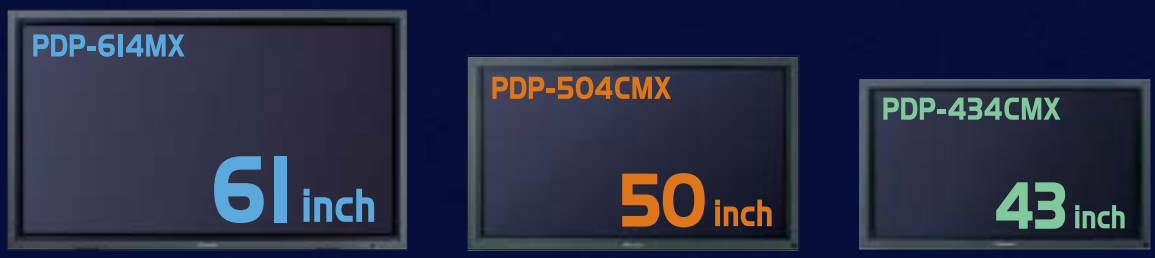
PURE vision

WXGA 61 inch



61 Inches of Astounding Clarity and True-to-Life Colors — Pioneer's Award-Winning Display Technology Keeps Getting Better.

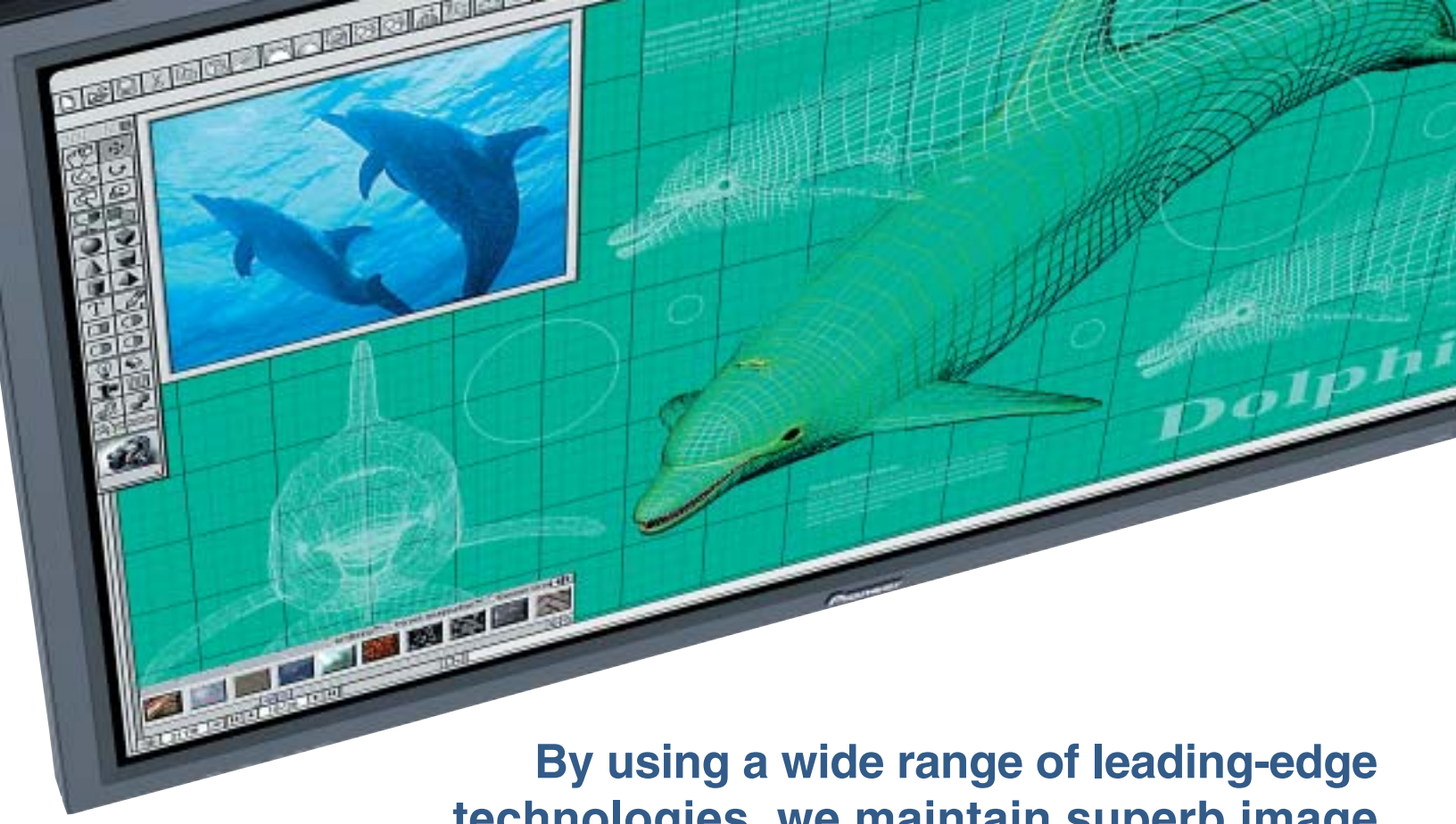
There are many plasma display choices for professional and public display applications, but the PDP-614MX is the best choice for three reasons: what you see, what you don't see and what's inside. What you see is an enormous 61-inch display with image clarity that is exceptional and colors that are rich and natural. What you don't see are artifacts and distorted images. What's inside are advanced technologies that maintain this high image quality for extended monitor life and a wide range of useful functions for outstanding control and convenience. Experience the PDP-614MX and you'll see what we mean.



PURE vision

61-inch WXGA Professional Plasma Display

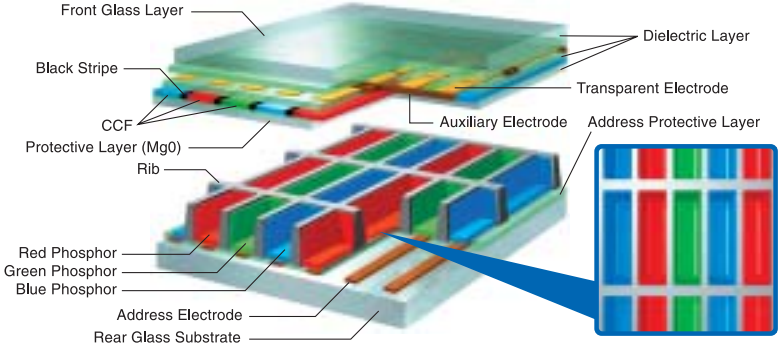
PDP-614MX



By using a wide range of leading-edge technologies, we maintain superb image performance over the entire 61-inch WXGA display.

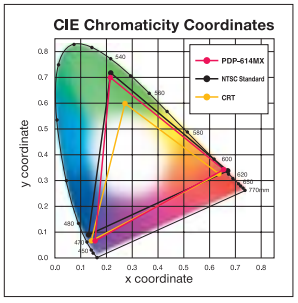
Encased Cell Structure

The PDP-614MX's Encased Cell Structure is one of the main reasons for its superior performance. Compared to the low, straight rows of cells used in conventional PDPs, the Encased Cells increase phosphor surface area and prevent light leakage from neighboring cells. Luminous efficiency is higher, so the screen is brighter, with never a "washed out" appearance or loss of subtle details.



High-Precision Capsulated Color Filter (CCF)

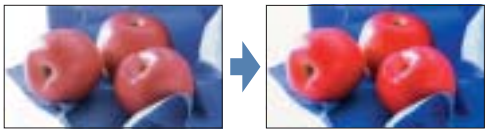
The PDP-614MX uses a precisely engineered CCF that decreases light reflection for better viewability and filters out unnecessary elements in the red, green and blue light for true color reproduction. Skin tones, for example, will appear more natural because the filter is designed to reduce the orange tint present in the red color range. All images, even fast-moving ones, will be accurate, crisp and natural.



Black Stripe

The Black Stripe feature inhibits the reflection of outer light and enhances contrast to ensure that dark colors remain crisp and clear, even in bright settings.

Natural, Accurate Colors



Conventional PDP | PDP-614MX

Excellent Contrast Under All Lighting Conditions

Conventional PDP | PDP-614MX

61-inch WXGA PROFESSIONAL PLASMA DISPLAY **PDP-614MX**

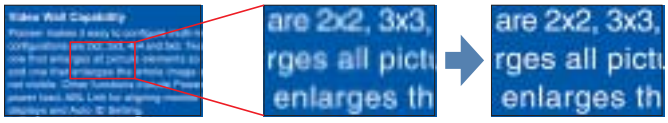
PURE vision

Superior Image Processing Technology

Full Digital Processing: From input to output, through all processing steps, the video signal remains in the digital domain. This ensures noise-free, no-loss processing of a variety of inputs from video to PC, allowing the highest possible signal quality.

Gamma Selection: Four gamma modes can be selected. Such precision allows for a more accurate display of the tone gradations, even for images with low lighting.

New Scan Converter: Converts input signals with high sampling accuracy so even minor details such as small letters are sharp and clear.



I/P Conversion and Scaling Large Scale Integrated (LSI) Components: These LSIs smooth jagged edges, correct color bleeds and select the ideal input resolution by simultaneously sensing both Y and C signals, resulting in images that are smooth and clean.

A Wide Range of Convenient Functions

Energy Saving and Image Burn-In Management

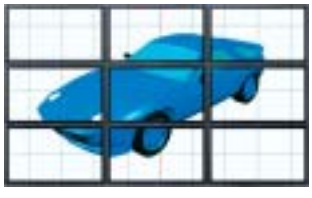
ABL (Auto Brightness Limiter) Lock provides three selectable modes to reduce power consumption when desired. Modes to manage image burn-in include Orbiter (moves image one pixel at a time), Inverse (displays image as negative), Full Mask (white) and others.

Programmable Timer

The timer function features a convenient Weekly Timer and the following programmable functions: power on/off, input selection, activation of image burn-in management modes.

Video Wall Capability

Pioneer makes it easy to configure multi-monitor video walls. Possible configurations are 2x2, 3x3, 4x4 and 5x5. Two display modes are available, one that enlarges all picture elements so the entire picture is visible and one that enlarges the whole image so lines between units are not visible. Other functions include Power On Delay to reduce initial power load, ABL Link for aligning monitor brightness in multi-monitor displays and Auto ID Setting.



Point Zoom

This handy function lets you expand any portion of a PC or video image from one to nine times in 64 steps.

Color Detail Adjustment

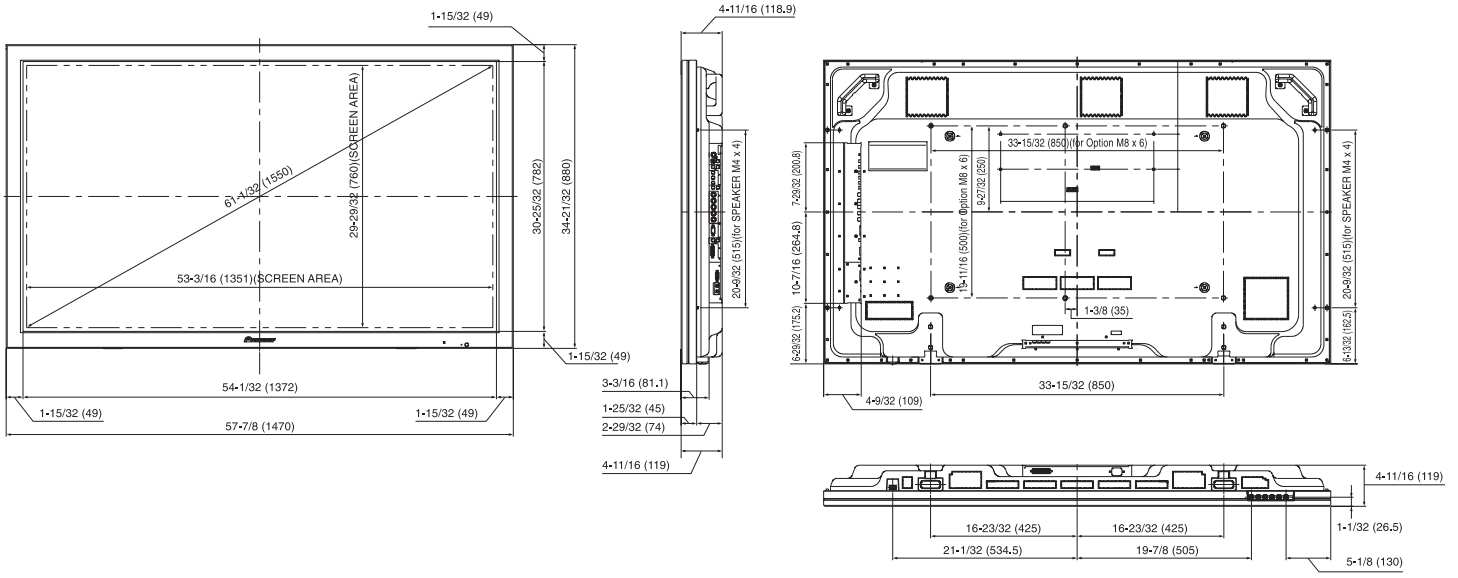
Color adjustment can be performed for any primary or secondary color without affecting the other colors. For example, you can change the deep red of a sports car to bright crimson without changing other colors in the image.

Other Features

• Disable On Screen Display (OSD) • Self Diagnosis • Function Lock
• Power-On Programmable input • Various Color Temperature Settings
• Input Skip • RS232C Input • Wired or Wireless Remote Control

■ Dimensions

Unit : inch (mm)



■ Specifications

Effective Screen Size(W x H)	53-3/16" x 29-29/32" (1351 x 760 mm) (61in. Diag.)
Aspect Ratio	16:9
Number of Pixels	1365(Hor.) x 768(Ver.)
Pixel Pitch	0.99mm(Hor/RGB trio) x 0.99mm(Ver.)
Dimensions (W x H x D)	57-7/8" x 34-21/32" x 4-11/16" (1470 x 880 x 119 mm)
Weight	134 lbs. 7 oz (61.0kg)
Power Consumption	540W (0.9W at stand by)
Power Requirements	AC 100-120±10%, 50/60Hz
Operating Temperature	32°F-104°F (0°C-40°C)
Operating Humidity	20% - 80%
Safety Regulations	UL1950, FCC 15B class B, C-UL

■ Input Terminals

	Connector	Signals	Level/Impedance
PC1*	Mini D-sub 15-pin	Analog RGB Signal (G on Sync compatible)	RGB : 0.7Vp-p/75Ω G on Sync : 1Vp-p/75Ω HD/CS,VD : TTL level/2.2kΩ
		Compatible with Microsoft Plug & Play (VESA DDC 1/2B)	
COMPONENT1	RCA x 3	Component Video Signal	Y: 1Vp-p/75Ω Pb/Cb, Pr/Cr: 0.525Vp-p/75Ω (75%saturation)
PC2/COMPONENT2	BNC x 5	Analog RGB Signal (G on Sync compatible)	RGB : 0.7Vp-p/75Ω G on Sync : 1Vp-p/75Ω HD/CS,VD : TTL level/2.2kΩ
		Component Video Signal	Y: 1Vp-p/75Ω Pb,/Cb Pr/Cr: 0.525Vp-p/75Ω (75%saturation)
PC3	DVI-D 24pin	Digital RGB Signal (DVI 1.0 w HDCP)	
		Compatible with Microsoft Plug & Play (VESA DDC 2B)	
VIDEO 1*	BNC x 1	Composite Video Sigal	1Vp-p/75Ω
VIDEO 2	RCA x 1	Composite Video Sigal	1Vp-p/75Ω
VIDEO 3	Mini DIN 4Pin(S terminal) x 1	Y/C Separate Video Signal	Y: 1Vp-p/75Ω C: 0.286Vp-p/75Ω (NTSC) 0.3Vp-p/75Ω (PAL)

* PC1 and VIDEO 1 can also be used as OUTPUT terminals.

■ Audio Input/Output Terminals

		Connector	
AUDIO1	IN	RCA pin x 2	L/R : 500mVrms/more than 22kΩ
AUDIO2	IN	RCA pin x 2	L/R : 500mVrms/more than 22kΩ
AUDIO3	IN	RCA pin x 2	L/R : 500mVrms/more than 22kΩ
SPEAKER	OUT		L/R : 9W + 9W (6Ω)

Audio Inputs are selectable to each Video input.

■ Control Terminals

RS-232C (for control of computer)	Connector Baud Rate	D-sub 9Pin (Cross Cable) 9600 bps
Remote Control IN/OUT	Connector	Mini jack (x 2)

■ Video Input Signals

Composite & Y/C	NTSC(3.58/4.43), PAL(B, G, M, N), PAL60, SECAM
Component	50Hz: 576I, 576P, 625I, 625P, 1080I 60Hz: 480I, 480P, 525I, 525P, 720P, 1035I, 1080I
DVI 1.0 w HDCP	50Hz: 1920 x 1080I, 720 x 576P, 1440(720) x 576I 60Hz: 640 x 480P, 1280 x 720P, 1920 x 1080I, 720 x 480P, 1440(720) x 480I

■ Computer Input Signal

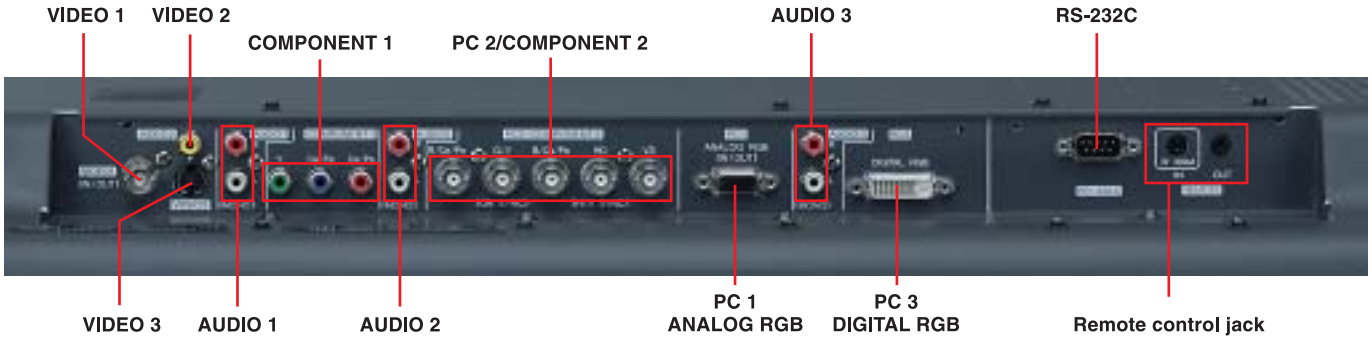
Model	Resolution (Dot x Line)	Vertical Frequency	Horizontal Frequency	DVI
IBM PC/AT compatible computers	640 x 400	70.1Hz	31.5kHz	
	640 x 480	59.9Hz	31.5kHz	○
		72.8Hz	37.9kHz	○
		75.0Hz	37.5kHz	○
		85.0Hz	43.3kHz	○
		100.4Hz	51.1kHz	○
		120.4Hz	61.3kHz	○
	848 x 480	60.0Hz	31.0kHz	○
	852 x 480*1	60.0Hz	31.7kHz	○
	800 x 600	56.3Hz	35.2kHz	○
		60.3Hz	37.9kHz	○
		72.2Hz	48.1kHz	○
		75.0Hz	46.9kHz	○
		85.1Hz	53.7kHz	○
		99.8Hz	63.0kHz	○
		120.0Hz	75.7kHz	○
	1024 x 768	60.0Hz	48.4kHz	○
		70.1Hz	56.5kHz	○
		75.0Hz	60.0kHz	○
		85.0Hz	68.7kHz	○
		100.6Hz	80.5kHz	○
	1152 x 864*	75.0Hz	67.5kHz	○
	1280 x 768	56.2Hz	45.1kHz	
		59.8Hz	48.0kHz	○
		69.8Hz*2	56.0kHz*2	○
	1280 x 800* *2	60.0Hz	49.7kHz	○
	1280 x 854* *2	60.0Hz	53.1kHz	○
	1360 x 765	60.0Hz	47.7kHz	
	1360 x 768	60.0Hz	47.7kHz	○
	1376 x 768*	59.9Hz	48.3kHz	○
	1280 x 1024*	60.0Hz	64.0kHz	○
		75.0Hz	80.0kHz	○
		85.0Hz	91.1kHz	○
		100.1Hz	108.5kHz	
	1600 x 1050* *2	60.0Hz	65.3kHz	○
	1600 x 1200*	60.0Hz	75.0kHz	○
		65.0Hz	81.3kHz	
		70.0Hz	87.5kHz	
		75.0Hz	93.8kHz	
		85.0Hz	106.3kHz	
	1920 x 1200* *2	60.0Hz	74.6kHz	
	1920 x 1200RB* *2	60.0Hz	74.0kHz	○
Apple Macintosh	640 x 480	66.7Hz	35.0kHz	
	832 x 624	74.6Hz	49.7kHz	
	1024 x 768	74.9Hz	60.2kHz	
	1152 x 870*	75.1Hz	68.7kHz	
	1440 x 900* *2	60.0Hz	56.0kHz	○
Work Station (EWS4800)	1280 x 1024*	60.0Hz	64.6kHz	○
		71.2Hz	75.1kHz	○
Work Station (HP)	1280 x 1024*	72.0Hz	78.1kHz	○
Work Station (SUN)	1152 x 900*	66.0Hz	61.8kHz	○
		76.0Hz	71.7kHz	○
	1280 x 1024*	76.1Hz	81.1kHz	○
Work Station(SGI)	1024 x 768	60.0Hz	49.7kHz	○
	1280 x 1024*	60.0Hz	63.9kHz	○

*Compressed Display
*1) Only when using a graphic accelerator board that is capable of displaying 852 x 480.
*2) CVT standard compliant

● Accessories

• Remote Controller x 1 • AAA Batteries x 2 • Power Cord x 1 • User's Manual x 1 • Safety Metal Fitting x 2
• Ferrite Core (small x 2, large x 2) • Bands x 2 • Cable Clamps x 5 • Wiping Cloth x 1

■ Terminal Configuration



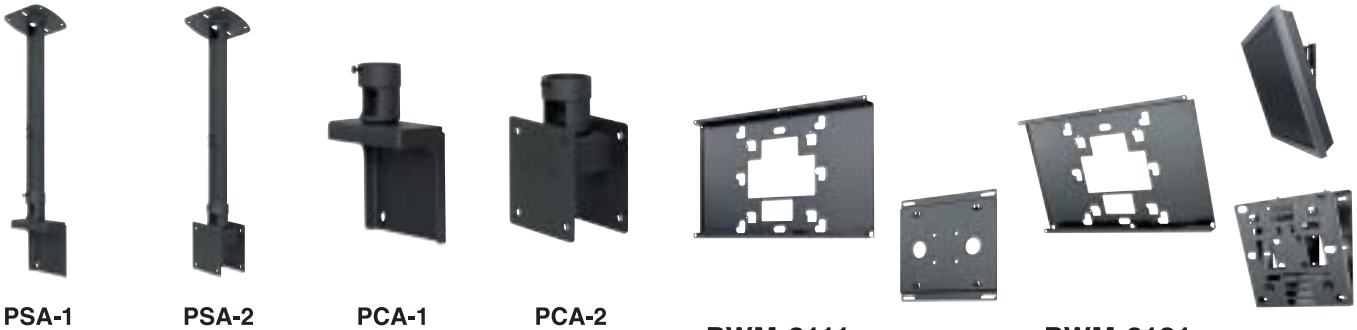
OPTIONS

OPTIONAL SIDE-MOUNT SPEAKERS
PDP-S29-LR

- **Maximum input:** 60W/6 ohms
- **Dimensions (WxHxD):**
  3-17/32" x 34-21/32" x 3-25/32"(90 x 880 x 95.8 mm)
- **Weight:** 7 lbs. 1 oz (3.2 kg)(one unit)

TABLE TOP STAND
PDK-TS06

- **Dimensions (WxHxD):** 44-9/32" x 8-5/32" x 17-5/16"(1125 x 207.4 x 440 mm)
- **Weight :** 19 lbs. 6 oz (8.8 kg)



PSA-1
ADJUSTABLE HEIGHT SUSPENSION ADAPTER

PSA-2
ADJUSTABLE HEIGHT SUSPENSION ADAPTER

PCA-1
1-1/2" NTP (SINGLE) CEILING ADAPTER

PCA-2
2" NTP (DUAL) CEILING ADAPTER

PWM-6111
FLAT WALL MOUNTING BRACKET

PWM-6121
TILT WALL MOUNTING BRACKET

*These items have been manufactured by Premier Mounts. If you need further information please call 1-800-368-9700 or access to http://www.premiermounts.com/.

Unlimited Applications

Pioneer PDPs are ideal for a wide variety of applications, such as public information displays, visual displays at trade shows, industrial control and monitoring, trading room displays, electronic advertising and business presentations.

50-inch WXGA Professional Plasma Display

PDP-504CMX

- 1,280 x 768 pixels, true WXGA display.
- Pioneer's unique Deep Encased Cell Structure achieves unprecedented high brightness and finely detailed pictures.
- ACE II (Advanced Continuous Emission II) Display Technology improves gradation in the low brightness range.
- Lowest power consumption (360W) in the 50-inch XGA class.

Dimensions (WxHxD): 47-15/16" x 28-1/8" x 3-27/32" (1218 x 714 x 98 mm)
Weight: 90 lbs. 6 oz (41.0 kg)

43-inch XGA Professional Plasma Display

PDP-434CMX

- 1,024 x 768 pixels, true XGA display.
- Pioneer's unique Deep Encased Cell Structure achieves unprecedented high brightness and finely detailed pictures.
- ACE II (Advanced Continuous Emission II) Display Technology improves gradation in the low brightness range.
- Lowest power consumption (298W) in the 43-inch XGA class.

Dimensions (WxHxD): 42-1/8" x 24-13/16" x 3-27/32" (1070 x 630 x 98 mm)
Weight: 72 lbs. 12 oz (33.0 kg)

*For more details, contact one of the addresses below. *All product names and company names are registered trademarks of their respective owners.

JAB EMS Accreditation RE 009

ISO 14001 JACO

UKAS ENVIRONMENTAL MANAGEMENT

Pioneer Corporation and Pioneer Display Products Corporation where PDP products are developed have both achieved ISO 14001 certification.

Visit our websites:
- PIONEER CORPORATION URL : http://www.pioneer.co.jp/
- PIONEER ELECTRONICS (USA) INC. URL : http://www.pioneerelectronics.com/

Pioneer

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