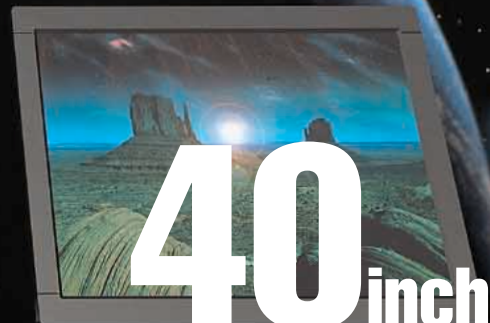
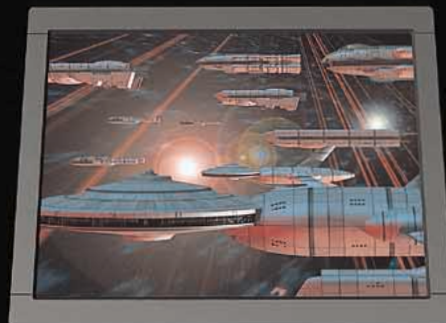
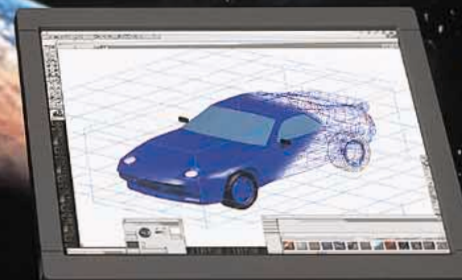
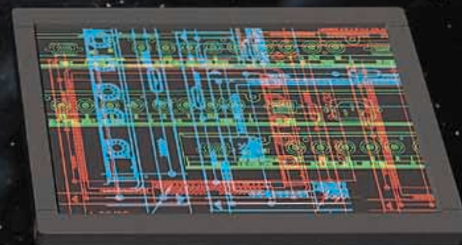


Pioneer

VGA 40 inch PLASMA DISPLAY PDP-V402

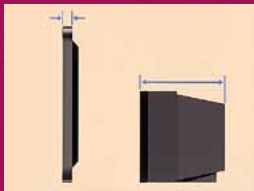


40 inch

PLASMA DISPLAY PANEL

Providing a Large Screen in a Lightweight and Ultra-Slim Package, the Plasma Display Panel (PDP) is a Next-Generation Technology that Completely Revolutionizes Visual Presentation

Large-screen PDP units boast ultra-slim dimensions, are surprisingly light in weight and deliver superb picture quality - a combination of features that open up a host of opportunities in the visual presentation field, especially in the current HDTV/DVD era. As the advantages of PDPs over conventional CRT and projection-type video displays become increasingly apparent, PIONEER's next-generation PDP technology has established itself as a core element in all kinds of public display and visual communication systems. The launch of this new model, with its further improved picture quality and durability, represents a major triumph for PIONEER, which has continued to lead the industry in developing and mass producing PDPs from its early days.



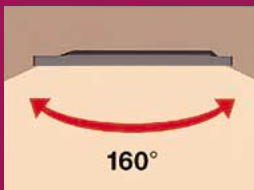
A Large Screen in an Extremely Thin Package

Unlike conventional CRTs or projection displays, PDP has extraordinarily slim dimensions relative to its large screen size.



Lightweight Unit Design

In addition to their slender proportions, PDP units are also ultra-light in weight, two features that make these revolutionary displays ideal for wall- or ceiling-mounting installation.



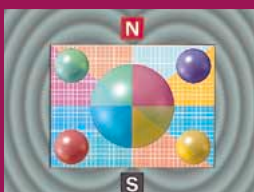
A Wider Viewing Angle

PDPs provide an effective visual field angle of more than 160 degrees both horizontally and vertically. Spectators can enjoy sharp on-screen images from almost any viewing point, not just from immediately in front of the screen.



Accurate Display Characteristics

PDPs incorporate a true flat panel screen which ensures accurate and distortion-free images all the way out to the screen corners. Instant setup and convergence free operation assures the image quality will never change.



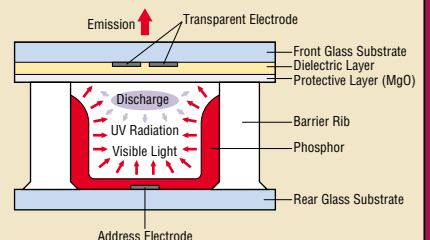
Free From Magnetic Interference

PDPs are not affected by magnetic fields, so they can be used close to loudspeakers without risk of screen distortion due to magnetic interference.

PDP Technology

In a PDP unit, a gas fills the spaces between two glass sheets which are lined up in parallel separated by a gap just 100 to 200 microns wide. UV light is generated by discharging this gas using electrodes. Red, green and blue fluorescent substances absorb these UV discharges and then re-radiate the energy as visible light to produce the colors that appear on the screen.

■ PDP Operating Principle





PIONEER is the World Leader in the Manufacture of Industrial-Use Large-Screen Displays

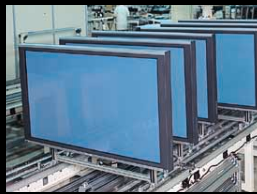
For decades, PIONEER has led the world in the development, production and sale of the display systems. One of our most notable successes has been the Multi-Projection CUBE Video Wall system. Cube has achieved unrivaled popularity worldwide as a display system for public and commercial-use facilities as well as for all kinds of exhibitions and shows. Over the years, we have also established much of the technology and know-how to provide the solid reliability so important in the industrial-use market. For the future, PIONEER is positioning PDP as one of the core businesses in its long-term development strategy. Making the most of our expertise in video display-related circuit and panel manufacturing technologies, we are determined to continue providing PDP products that lead this field. As we move deeper into the era of multimedia, professional demands in respect of more effective video display systems will steadily increase and PIONEER will continue to respond to these demands through technological improvement and innovative design.

PIONEER's PDP Products are Created Totally in-House From Design to Assembly

While some PDP manufacturers are content to OEM major display components, PIONEER manufactures all major PDP display components in its own fabrication facility. In order to realize an ideal display system, PIONEER performs all processes in-house from the initial screen design and development through final assembly.

Only PIONEER Grasps Total Market Demands and Provides Products That Can be Installed Exactly as Desired

Thanks to a wealth of experience in the sale and installation of industrial-use display systems, PIONEER is adept at satisfying diverse operating environment-related demands. We provide strong and secure installation fixtures that make possible versatile installation configurations. What's more, we provide comprehensive customer service and support backed by a long record of excellence.



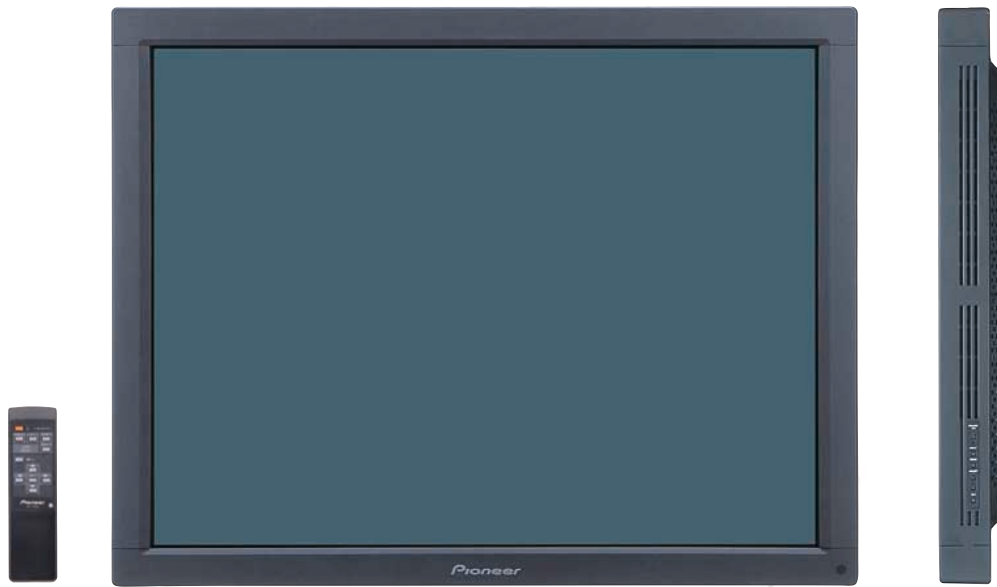
Providing Unlimited Possibilities for Visual Exhibition, Pioneer PDPs are Available for Installation Virtually Anywhere



PLASMA DISPLAY PANEL



- *40" screen size*
- *4:3 aspect ratio*
- *Black stripe screen for high contrast*
- *High brightness*
- *XGA compatible with optional down converter.*



VGA 40-INCH PLASMA DISPLAY **PDP-V402**

**The Industrial Plasma Standard Model
Undergoes Further Evolution!!**

Taking Versatility a Step Further

- While inheriting the previous model's slim dimensions (depth: less than 3.5 inches) and light weight (less than 68 lbs.), the PDP-V402 boasts improved environmental tolerance and even greater installation flexibility.
- A wealth of versatile mounting options are also available.

Even Higher Brightness and Higher Picture Quality

- The PDP-V402's enhanced drive power efficiency translates into brighter on-screen images.
- Employment of black stripe panel and improved filter results in improved contrast in bright locations and clearer color expression.

Flexible Compatibility with a Wide Range of Input Signals

- The PDP-V402 clearly displays both video signals, Y-C (s-vhs), RGB and VGA (640 x 480 dot) PC signals.
- When linked with PIONEER's PDA-4003 high-performance optional down converter, this display is compatible with a wide range of PC signals up to XGA (1024 x 768 dot). Additionally the converters multi-step interpolation significantly resolves the problem of information "drop" in the case of small characters or fine details. This ensures clear on-screen reproduction of all images. The end result is that no matter what kind of singles you send it, the PDP-V402 produces high quality flicker free progressive scan images.

4 : 3 Aspect Ratio

- The PDP-V402 employs the industry standard 4 : 3 aspect ratio, which allows full video images to be displayed without the need for editing or re-shooting. The 4:3 aspect ratio is extremely important when using material that for whatever reason cannot be stretched or distorted.

Perfected Functions Exclusive to PIONEER's Industrial-Use Models

- This plasma display is equipped with a host of features especially for industrial users, both user and integrator adjustment modes, precise white balance adjustment, external RS-232C control, desecrate input and function control, white balance switching function, pixel response compensator, a wealth of input terminals with professional connectors, key lock function, operating status monitor, priority input switching mode, and an OSD (On-Screen Display) ON/OFF function.



Optional Side-Mount Speakers PDP-S03-LR

These vertical twin-system slim-type speaker systems, which are designed for mounting on both sides of the plasma display. Each combine a dome-type tweeter sandwiched between two woofers. Realizing extremely efficient audio reproduction for such a compact design, these speakers clearly reproduce a full range of audio sources.

Max. output

12 W / 8 ohms

Dimensions (W x D x H)

2-29/32" x 3-27/32" x 28-1/8" (74 x 98 x 714 mm)

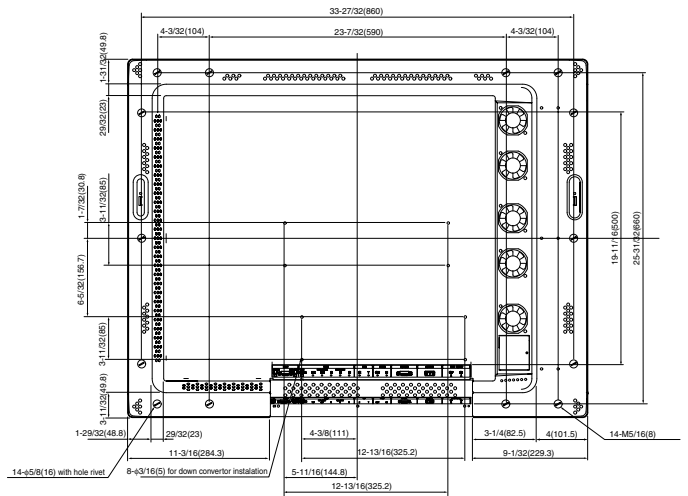
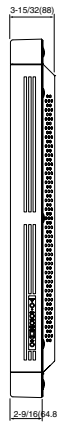
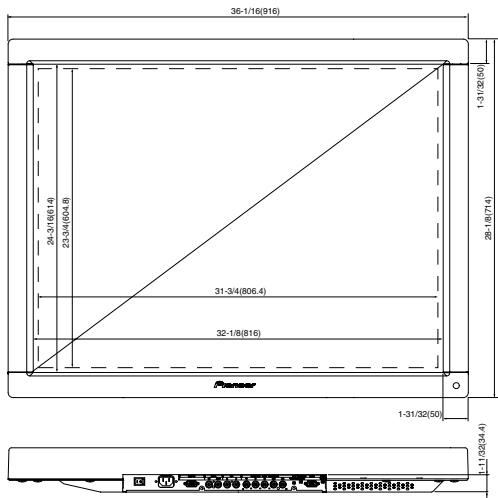
Weight

5 lbs. 15 oz (2.7 kg) x 2



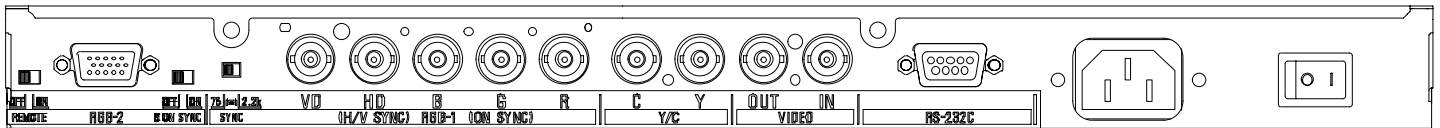
PDP-V402 SPECIFICATIONS

■Dimensions



Unit: inch (mm)

■Terminal Configuration



■PDP-V402 SPECIFICATIONS

Effective Screen Size (W x H)	31-3/4" x 23-3/4" (806.4 x 604.8mm) (40in. diag.)
Aspect Ratio	4:3
Number of Pixels	640 (Hor.) x 480 (Ver.)
Pixel Pitch	1.26 mm (Hor/RGB trio) x 1.26 (Ver.) mm
Color Resolution	256 gray scale, 16.7 million colors
Viewing Angle	More than 160° (Hor.) , more than 160° (Ver.)
Dimensions (W x H x D)	36-1/16" x 28-1/8" x 3-7/16" (916 x 714 x 88 mm)
Weight	67 lbs. 14 oz (30.8 kg)
Power Consumption	350 W (2 W at stand by)
Power Requirements	AC 100-120V±10%, 50/60Hz (3.5A)
Operating Temperature	32°F-104°F (0°C-40°C)
Operating Humidity	20-80%
Operating Atmospheric Pressure	0.8-1.1 atmospheric pressure
Safety Regulations	UL 1492, FCC class A

■Video Input Terminals

	Connector	Level/Impedance
Composite Video	BNC	1Vp-p/75 Ω
Y/C Separation Signal	Y	1Vp-p/75 Ω
	C	286mVp-p/75 Ω
Analog RGB Signal	RGB	700mVp-p/75 Ω
	SYNC	2-5Vp-p/75 Ω, 2.2k switchable
	RGB	700mVp-p/75 Ω
	SYNC	2-5Vp-p/75 Ω

Video Input Signal NTSC Horizontal Frequency : 15.75 kHz
Vertical Frequency : 59.94 Hz

■Video Output Terminals

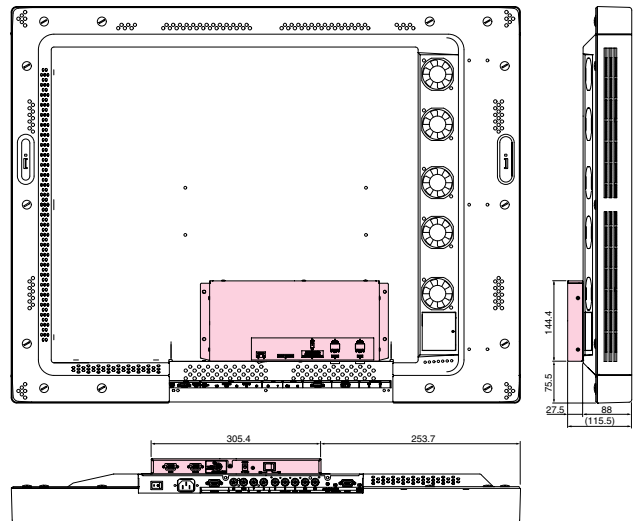
	Connector	Level/Impedance
Composite Video	BNC	1Vp-p/75 Ω

TV Standard NTSC

■Computer Systems

	Resolution	Horizontal Frequency	Vertical Frequency
PC/AT Compatible	640 x 480	31.5 kHz	60.0 Hz
		37.5 kHz	75.0 Hz
		37.9 kHz	72.8 Hz
Macintosh	640 x 480	35.0 kHz	66.7 Hz
PC9800	640 x 400	24.8 kHz	56.4 Hz
		31.5 kHz	70.1 Hz

■Optional Down Converter PDA-4003



■Accessories

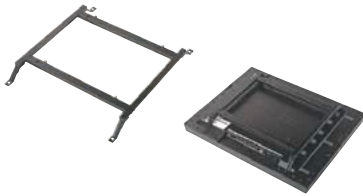
- Remote Control Unit x 1
- Remote Control Unit Case x 1
- AA(R6) Battery x 2
- Power Cord x 1
- Cable Clamp x 3
- Stand x 2
- Washer x 2
- Bolt x 2
- Operation Manual
- Warranty Card

*Macintosh is a registered trademark of Apple Computer, Inc. *PC-9800 is a registered trademark of NEC Corporation. *Design and specifications are subject to change without notice.

OPTIONS



PDK-4002
CEILING MOUNT KIT



PDK-4005
PDP BRACKET



PDK-4006
HANG ON WALL UNIT



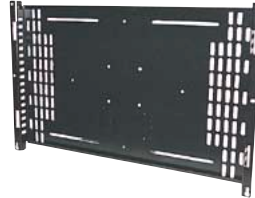
PDK-4001 PLASMA FRAME SYSTEM



PDP-S03-LR
SIDE-MOUNT SPEAKERS



PDA-4002
PROTECTIVE SCREEN



PWM-401F (flat)
WALL MOUNT KIT



PWM-402 (tilting)
CEILING MOUNT KIT



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

*Only available as special order in the U.S.A.

* These products are offered for sale only in the US market. Pioneer cannot accept responsibility in the event that they are used in other regions.

* These items have been produced by Progressive Marketing Products, Inc.

If you need further information please call 1-800-368-9700 or access to <http://www.pmpi.com>.



XGA 50 inch PLASMA DISPLAY

PDP-502MX

PIONEER's Top-of-the Line Professional-Use XGA Plasma Display Undergoes Full Model Change

High Brightness and High Contrast

The PDP-502MX reproduces remarkably bright and high-contrast pictures while maintaining a high level of resolution thanks to a newly-developed display panel that pushes the limits of illumination efficiency and to a newly-developed drive technology.

High Picture Quality and Superb Clarity

Due to quantum advancements with the principal signal processing system and the adoption of several new innovations, the PDP-502MX is capable of exceptionally clear and high-resolution reproduction of pictures from a host of signal sources including HDTV, PC and standard video.

A true native XGA Display Compatible with SXGA and UXGA

The PDP-502MX is equipped with a 980,000-pixel (1280 x 768 dot) 50-inch high-resolution Plasma panel. This full-specification display accepts standard PC signals ranging from VGA (640 x 480 dot) to UXGA (1600 x 1200 dot) and everything in-between. What's more the full 1280 x 768 dot display can be used in a 16:9 native mode with an exclusive PC card or driver. Thanks to the high resolution and large signal bandwidth, the PDP-502MX is also compatible with HDTV signals from an optional tuner.

Versatile, Flexible, Slim Design

The PDP-502MX offers integrators and designers versatile installation options to suit virtually any application. This model now produces less heat and has an advanced environmental tolerance device which simultaneously reduces operating noise. The unit, although 50 diagonal inches, is surprisingly light weight and is one of the slimmest available on the market. With the 160 degree viewing angle, both vertically and horizontally, this plasma panel can be viewed from almost anywhere. The PDP-502MX can be integrated into new and existing applications with ease.

A Full Lineup of Professional Features and Functions

The PDP-502MX is equipped with a host of control and display features and functions that professional users will find invaluable. These features including both user and integrator adjustment modes, precise white balance adjustment, external RS-232C control interface (with loop through for multiple units), desecrate input and function control, white balance switching function, tools for managing image shadowing, a wealth of input terminals (4 sets of inputs + 2 sets of outputs), audio amplifier (2W x 2W), key lock function, operating status monitor, four mode display orientation (Up/Down and Left/Right Reverse mode, power management function an OSD (On-Screen Display) ON/OFF function, and optional side-mount speakers PDP-S03-LR.



PDP-502MX with Display Stand

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

Pioneer

CONTACT ProjectionOne, Inc. • 888.542.2823
•ProjectionOne, Inc. URL:<http://www.projectionone.com/>
•PIONEER @ ProjectionOne URL:<http://www.projectionone.com/pioneer/>

ProjectionOne, Inc.
300 Queen Anne Avenue N #608 • Seattle, WA 98109 • Phone 888.542.2823 • Fax 206.546.8345
<http://www.projectionone.com/pioneer/>

5502T AB-FC(F)08-99 Printed in Japan