PlasmaSync® **42PD3**

32.5 (1.28)

32.5 (1.28)

518.4 (20.4) [SCREEN]

595 (23.5)

921 (36.3) [SCREEN]

NEC   PHILIPS

998 (39.3)

5 (1.28)

112 (4.4)
114 (4,5)

Audio Input/Output

Video Input/Output

RGB1 Input

RGB2 Input/Output

RGB3 Input

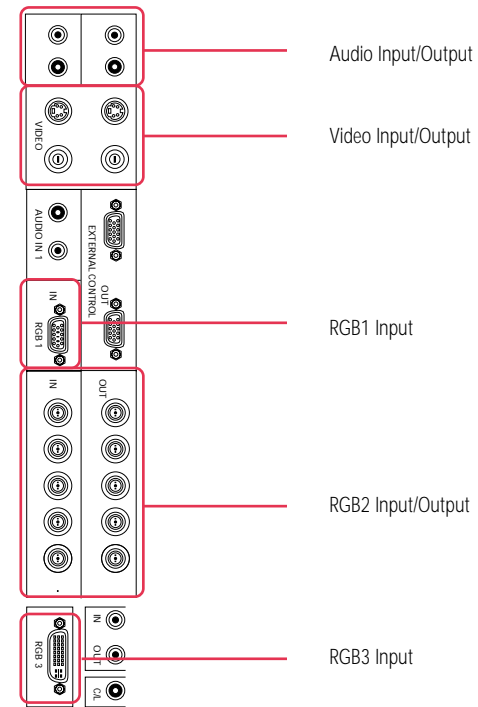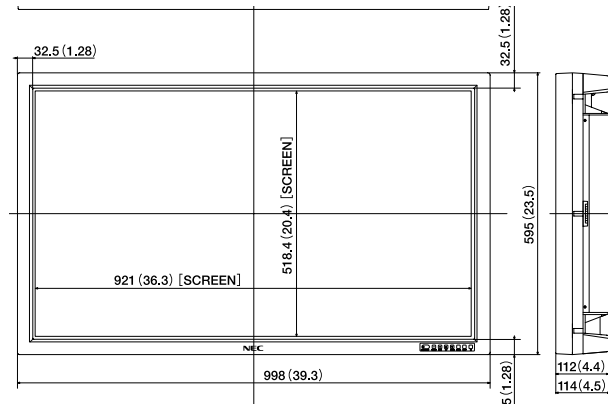## Flexible Inputs and Video

A complete array of inputs including signal loop-through and line level audio output are available. Plus, a control lock switch is provided to disable the front bezel controls.

Service and Support

The PlasmaSync 42PD3 is supported by NEC Technologies' industry leading service and support programs. It comes with a standard 1-year manufacturer's warranty plus an extended warranty option that provides two additional years of coverage and is available from your authorized NEC Visual Systems Division dealer.

For more information, call **(800) NEC-INFO** or visit **www.plasma.nectech.com**
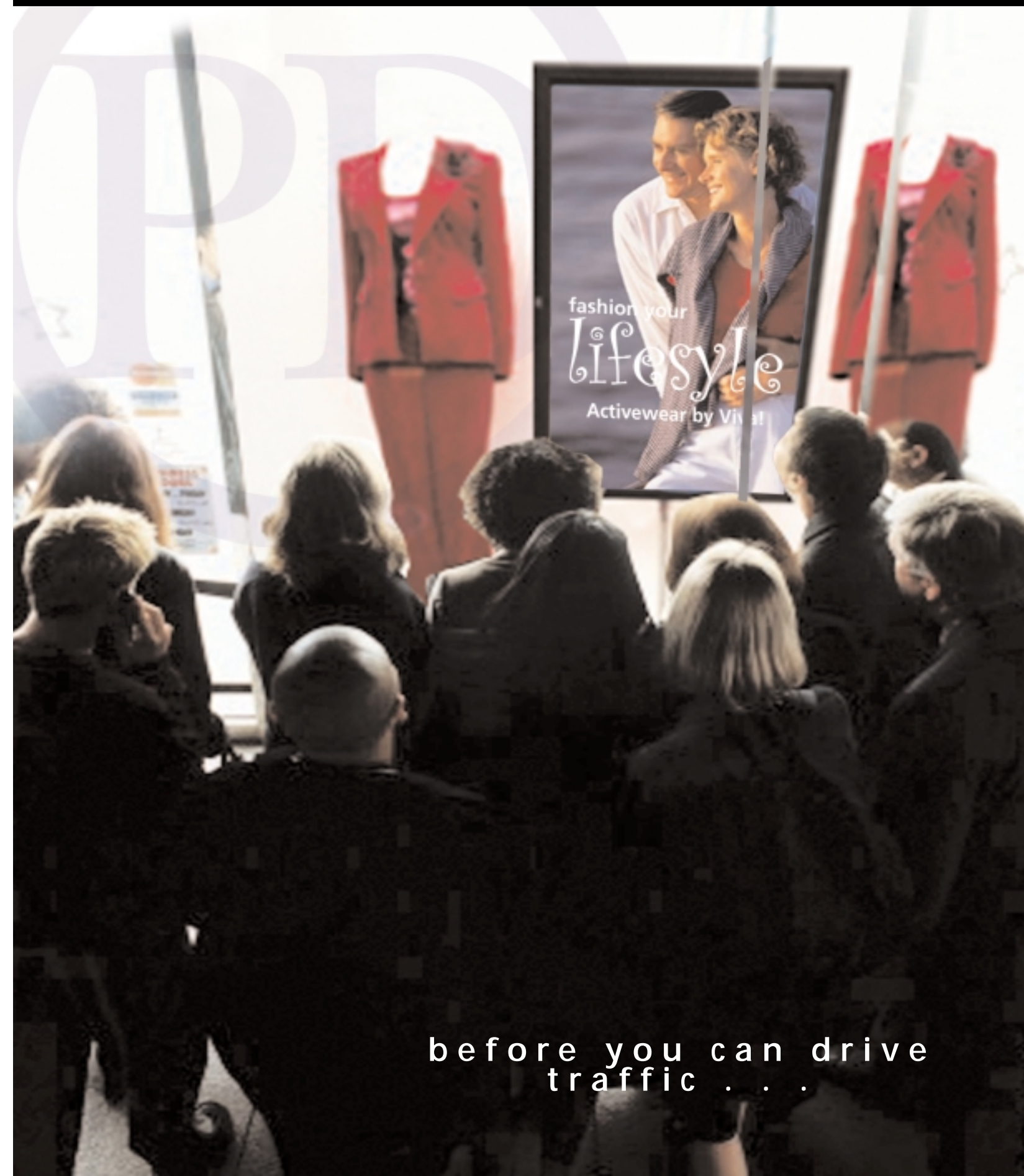
Specifications

Model Number	PX-42VP3A
Screen Size	36.3 (H) x 20.4 (V) inches diagonal 42 inches
	921 (H) x 518.4 (V) mm diagonal 1057 mm
Aspect Ratio	16:9
Active Screen Area	921 x 518 mm
Native Pixel Resolution	853 x 480
Pixel Pitch	1.08 (H) x 1.08 (V) mm 0.04 (H) x 0.04 (V) in.
Contrast (set)	1300 to 1
Capsulated Color Filter	Yes
Color Reproduction	RGB 256 levels, 16,770,000 colors
Viewing Angle	160 degrees horizontal and vertical
Horizontal Frequency Range	15.5 to 68.7 kHz (automatic: step scan)
Vertical Frequency Range	46.0 to 85.0 Hz (automatic: step scan)
PC Signal Compatibility	VGA 640 x 480 @ 60, 72, 75 and 85 Hz
	SVGA 800 x 600 @ 56, 60, 72, 75 and 85 Hz
	XGA 1024 x 768 @ 60, 70, 75 and 85 Hz
	Wide VGA 848 x 480, 852 x 480 @ 60 Hz
	Macintosh 640 x 480, 832 x 625, 1024 x 768
Video Signals Compatibility	NTSC, PAL, SECAM, 4.43 NTSC
Input Terminals	RGB 1 (Analog) 15-pin mini D-sub x 1
	RGB 2 (Analog) 5 BNC (RGB/HV) with loopout
	RGB 3 (Digital) DVI 29-pin x 1
	Video 1 Composite BNC x 1 with loopout
	Video 2 S-Video 4-pin DIN with loopout
External Control	9-pin mini D-sub x 1, RS-232C
Plug & Play	VESA DDC1, DDC2b: RGB3 is DDC2b only
Power Requirements	100-120V 50/60 Hz
Power Consumption	295W (typical)
Dimensions	39.3 (W) x 23.4 (H) x 4.5 inches
	998 (W) x 595 (H) x 114 (D) mm
Weight	64.1 lbs (without stand)
	29.0 kg (without stand)
User Controls	Front Bezel Power on/off input selection, OSM access
	(control lock switch located on input panel)
	Remote Control Power on/off, Input source select,
	OSM access, picture position
OSM® Function	Audio control, volume, balance, mute, input select, contrast, brightness, color, tint, sharpness, auto picture on/off, RGB mode motion, still, DTV, wide mode select (normal, full, zoom, stadium), picture adjust, fine picture, horizontal position, vertical position, horizontal width, vertical width, RGB2 select RGB/YPbPr, video select S/BNC, reset
Regulations	FCC Class A, UL 1950, CSA950
Warranty	1 Year Parts & Labor Standard
Environmental Considerations	
Operation	Temperature 0 C to 40 C 32 F to 104 F
	Humidity 20 to 80% (no condensation)
	Altitude 0 to 1900m 0 to 6230 feet
Storage	Temperature -10 C to 50 C 14 F to 122 F
	Humidity 10 to 90% (no condensation)
	Altitude 0 to 3000 m 0 to 9840 feet
Included Accessories	Wireless remote control, RGB cable (mini D-sub 15-pin to mini D-sub 15-pin connector), power cord, User's Manual, batteries
Optional Accessories	Tabletop Stand (PX-42VP1U-ST)
	Optional wired/wireless pro remote control (PX-RC2U)
	Incline Stand (PX-42VP1U-PS)
	Fixed Wall Mount (FWMK)
	Fixed Wall Mount for PC (FWMKPC)
	Tilt Wall Mount (TWMK)
	Tilt Wall Mount for PC (TWMKPC)
	Ceiling Mount (CMK)
	Ceiling Mount for PC (CMKPC)
	Quad Wall Mount Kit (QWMKPC)
	Rear Cover Plate for PC (PX-42VP1U-CV)
	Extended Warranty (EXTENDEDWAR33/42)

Specifications subject to change without notice.

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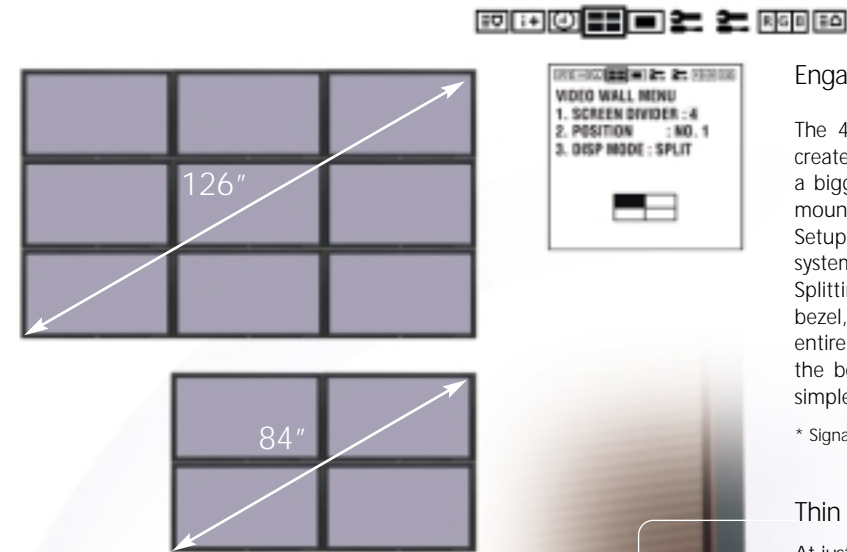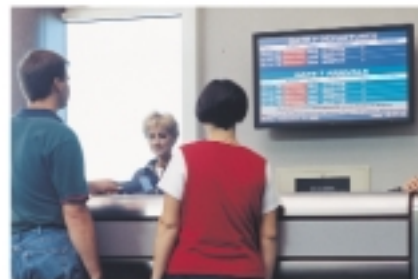t r a f f i c . . .**

...you have to STOP it.

In a public environment, you have less than a second to capture your audiences' attention. With the PlasmaSync, 42PD3 plasma monitor, that's more than enough time.

The 42PD3 is thin and can hang virtually anywhere making it an ideal solution for digital signage, advertising, point-of-purchase, merchandising and kiosks. But unlike most other plasma monitors it was engineered specifically for use in public display applications with an array of features that enable it to meet the challenges of these difficult environments.

The 42PD3 provides you with the tools to get your message across in airport & transportation terminals, retail sales floors, bank lobbies, hotel properties, tradeshows and other public environments. Whether you need to advertise your latest sale at point of purchase, create stunning visual merchandising displays, display the status of arrivals and departures or display a list of meetings, the 42PD3 is the best solution to your information display needs.

Building on Success

We took success and built upon it with a series of important enhancements. The PlasmaSync 42PD3 includes an array of new features and capabilities designed to help you deliver your message clearly in high traffic environments.

- Built-in matrix display capabilities are expanded to offer a 3x3 video wall option that can create a diagonal image up to 126".
- Variable line level audio out support is included.
- A programmable orbiter has been added to the AccuShield™ Phosphor Protection System.
- Power consumption is reduced to an extremely efficient 295 Watts.
- Image quality is improved with 1300:1 contrast and a 25% increase in brightness.
- Component video compatibility has been added. Additionally, Composite BNC and S-Video inputs are now selectable via the user menus.
- A new multi-tiered on-screen menu system allows access to different levels of control and functionality in the monitor.
- Video processing has been upgraded to include motion-compensated 3-D scan conversion and 3/2 pull down for improved video performance.

Engage Your Audience with a 126″ Image

The 42PD3's built-in matrix display capabilities allow you to easily create a 2x2 or 3x3 video wall which gives you the flexibility to hang a bigger-than life image right on the wall. All you have to do is mount the monitors and connect them via signal loop-through*. Setup is completed quickly and easily via the On-Screen menu system which provides options for splitting or blanking the image. Splitting displays the image so that none of it is obscured by the bezel, ensuring that all data is visible. Blanking displays it across the entire screen, concealing the parts of the image that would overlap the bezels to create a natural looking image. Either way, it is a simple and cost effective way to create an impressively large image.

* Signal splitter is required for optimal results in a 9-screen.

Thin Bezel Design

At just over 1″ thick the 42PD3 bezel is thin enough to enable a video wall configuration with minimal interference to the screen image.

Anti-Glare Screen Improves Readability

Anti-glare screen filter makes the screen readable even in the difficult lighting conditions common to many public environments.
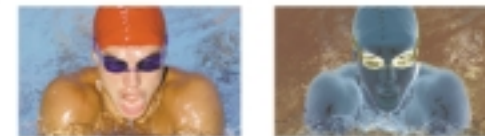
AccuShield™ Phosphor Protection System

NEC's exclusive AccuShield Phosphor Protection System is the industry's most comprehensive set of built-in operating modes to help prevent or reduce the occurrence of image retention. AccuShield gives you 5 choices to combat phosphor burn:

- Inverse RGB
- Brightness Limiter
- All-White Screen
- Pre-set Orbiter
- Programmable Orbiter

The programmable orbiter provides variable ranges of movement and speed to better calibrate the image motion to different types of content. The AccuShield System can increase the usable life of your monitor when used in conjunction with prescribed operating methods and content creation.

An Inverse mode will display inverted RGB values that will even the amount of wear on the screens phosphor.
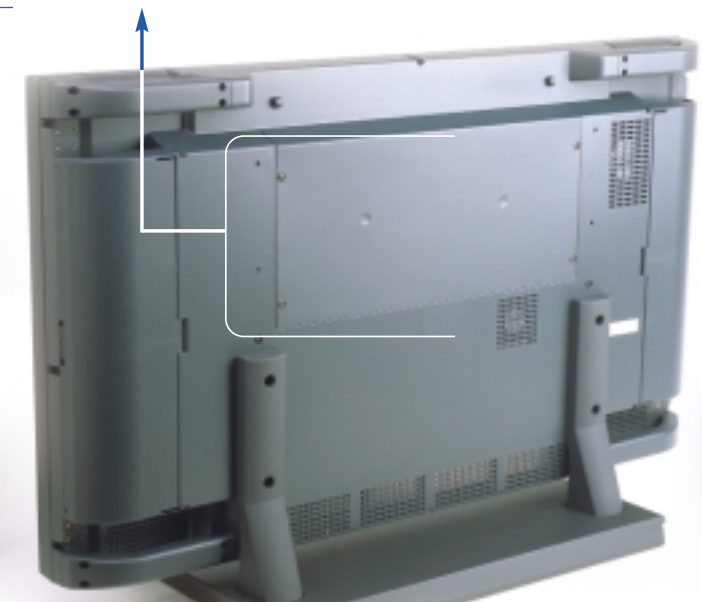
Automatic Operation Simplifies the Solution

The 42PD3 offers a programmable timer that allows the monitor to virtually operate itself. Accessible via the On-Screen Menu System, the timer can be programmed to power on, power off, switch input sources or enable the AccuShield System without ever touching the monitor. This can alleviate the need to train personnel in the operation of the 42PD3 and provide considerable savings when deploying large numbers of displays.

External Control and Self Diagnostics

A complete set of RS232 commands allow all monitor functions to be operated remotely via serial communication. Plus, the 42PD3 can identify operating problems and communicate them via RS232 or front bezel led lights through its self-diagnostics system.

Create a Self-Contained Solution

The 42PD3's cabinet design provides a space to install a small form-factor PC inside the monitor. This unique capability can solve the problem of where to put your source equipment when you install the monitor in a public setting. Plus, a cable management system allows you to conceal cabling and input panels for a clean appearance in wall or ceiling mount installations. This prevents the need to add a costly enclosure to achieve the desired aesthetic look.