

PlasmaSync® 50PD2

Empowered by Innovation

**NEC**



send a message that's  
larger than life.

# Capturing attention and delivering

**a message . . .** in a public environment is always a challenge. But with NEC's PlasmaSync, 50PD2 plasma monitor, you'll find getting your audience's attention easier than ever.

The 50PD2 was designed specifically as a solution for uses including digital signage, advertising, point-of-purchase, merchandising and kiosk applications in public venues. With an array of features that enable it to meet the challenges of these difficult environments, it offers capabilities not found in other plasma monitors. Plus, its 50" screen offers a significant size advantage over a 42" screen with only a small premium compared to the cost of a high resolution 50" plasma.

The 50PD2 can help you get your message across in airport terminals, retail sales floors, bank lobbies, hotel properties, tradeshow and other public environments. Whether you need to advertise your latest sale, create stunning merchandising displays, show status of arrivals and departures or display a list of meetings, the 50PD2 is up for the challenge.

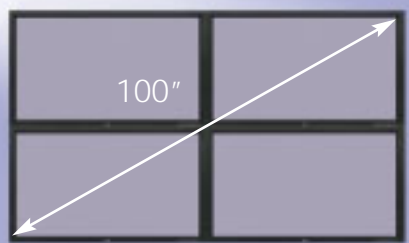
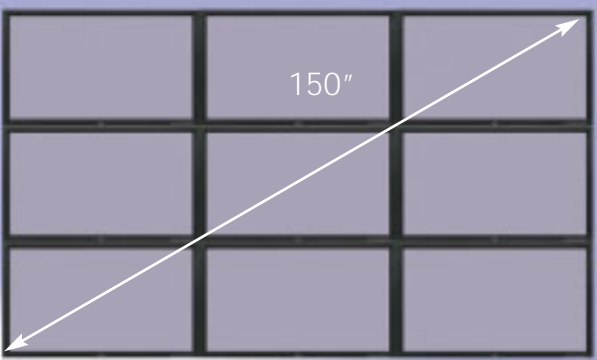


## Second Generation Enhancements

The latest version of NEC's groundbreaking PD series, the 50PD2 is equipped with several new features that will help you deliver your message:

- Built-in matrix display capabilities are expanded to offer a 3x3 video wall option that can create a diagonal image up to 150" .
- Variable line level out audio support is included.
- A programmable orbiter has been added to the AccuShield™ Phosphor Protection System.
- Contrast ratio is improved by 90%
- Component video compatibility has been added. Additionally, Composite BNC and S-Video inputs are now selectable via the user menus.
- 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.
- Three user definable color temperature settings.





### Capture your audience with a 150" image

Built-in matrix display capability allows you to create a 2x2 or 3x3 videowall without the need for expensive external processing equipment\*. With the built-in matrixing capability you can create a massive 150" diagonal image that's guaranteed to capture attention. Setup is quick and easy via the user controls 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.

### 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



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

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.

### Create a self-contained solution

The 50PD2'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.

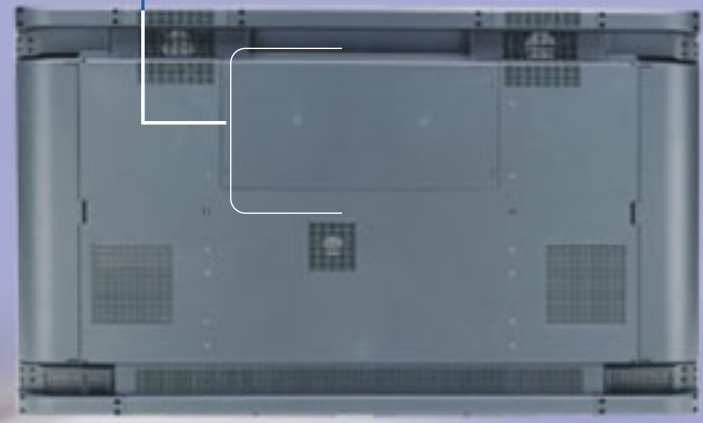


### Automatic operation simplifies the solution

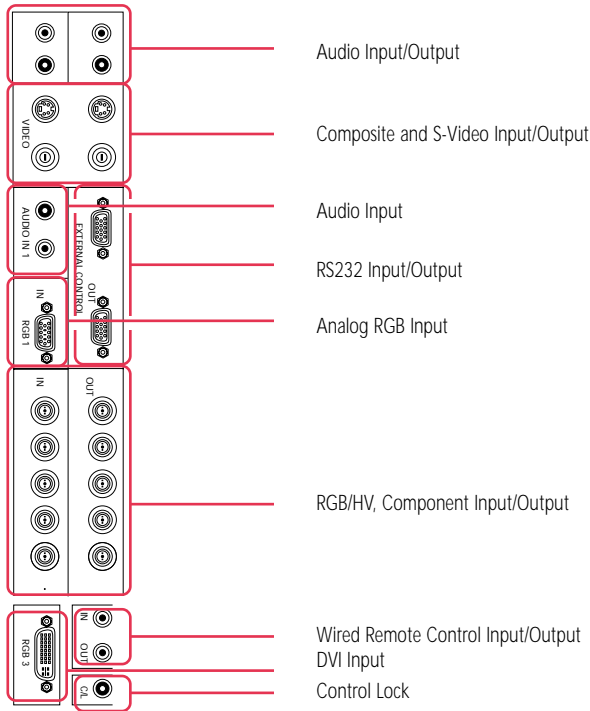
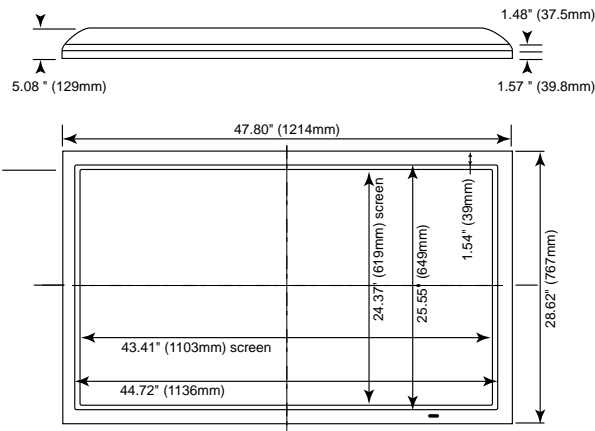
The 50PD2 offers a programmable timer that allows the monitor to virtually operate itself. Accessible via the On-Screen Menu System, the timer can be programmed to power on, power off, switch input sources or enable the AccuShield System without ever touching the monitor. This can alleviate the need to train personnel in the operation of the 50PD2 and provide considerable savings when deploying large numbers of displays.

### Intelligent RS232 External Control

A complete set of RS232 commands allow all monitor functions to be operated remotely via serial communication. The monitor provides 2-way communication with response to verify receipt of commands, making it a more effective component of complex system configurations. Plus, the 50PD2 includes a self-diagnostic system that identifies operating problems and communicates them via RS232 or front bezel leds.



# PlasmaSync® 50PD2



## Flexible Inputs and Audio Support

The 50PD2 has a complete set of input options including signal loop-through and line level audio output. Component video compatibility and selectable BNC Composite & S-Video inputs provide flexible video source options along with RGB and DVI source connectors. Plus, a control lock switch is provided to disable the front bezel controls.

## Outstanding Service and Support

The PlasmaSync 50PD2 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**

NEC Technologies and the NEC logos are registered trademarks of NEC Technologies, Inc. All products and technologies mentioned are trademarks or registered trademarks of their respective manufacturers.

NEC Technologies, Inc.  
1250 N. Arlington Heights Rd., Suite 500  
Itasca, IL 60143-1248  
www.nectech.com

## Specifications

Model Number	PX-50VP2A
Diagonal Screen Size	50"
Screen Aspect Ratio	16:9
Active Screen Area	1100 x 619 mm, 43.3 x 24.4 inches
Native Pixel Resolution	853 vertical dots x 480 horizontal rows
Pixel Pitch	1.29 mm square
Output color	256 RGB levels, 16.7 million colors
Viewing Angle	160 degrees
Horizontal Frequency Range	15.5 to 68.7 kHz auto, step scan
Vertical Frequency Range	46 to 85 Hz auto, step scan
PC Signal Compatibility	VGA 640x480 @ 60, 72, 75, 85 Hz SVGA 800x600 @ 56, 60, 72, 75, 85 Hz XGA 1024x768 @ 60, 70, 75, 85 Hz WideVGA 848x480, 852 x 480 @ 60Hz
Macintosh Compatibility	640x480, 832x624, 1024x768
Video Signal Compatibility	NTSC 3.58/4.43, PAL, SECAM
Input Terminals	RGB 1 (analog) 15-pin mini D-sub RGB 2 (analog) 5 BNC (RGB/HV) w/loopout (common use with 5BNC (Y/Pb/Pr) input, selectable) RGB 3 (digital) 29-pin DVI (digital only) Video 1 Composite BNC x 1 w/loopout Video 2 S-Video 4-Pin DIN w/loopout HD Video 1 set BNC Component (Y/Pb/Pr;Y/Cb/Cr) w/loopout (common use with 5BNC RGB/HV input, selectable) 2 inputs, 1 output, RCA
Audio	Pre-amplifier, line level out + volume & balance control
External Control	9-pin mini D-Sub, RS232 w/loopout
User Controls	Front Bezel Power on/off, input selection, OSM access, (Control Lock Switch located on input panel) Standard Remote Power on/off, input select, picture position up/down/left/right, OSM Access Optional Remote Power on/off, input select, picture position up/down/left/right, contrast, brightness, color, tint, sharpness, OSM Access, reset, ID select, clear Basic OSM 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 height, RGB2 select RGB, Y/Pb/Pr, video select S/BNC, reset Pro OSM All basic OSM controls plus Input mode, h/v frequency, h/v polarity, timer operation, video wall setting, OSM position/display time/orientation, color system select, power on mode select (last memory/Video/RGB1/RGB2/RGB3), cinema mode select (3/2 pull down on/off), all reset, luminance limiter on/off, orbiting on/off, programmable orbiting, inverse RGB, all white, gray level setting, color gain, color bias Configuration OSM OSM on/off, Pro Menu select, wireless remote on/off, sync control, PLE link
Plug & Play	DDC1, DDC2B (RGB3 is DDC2B only)
Power Requirements	100 -120V 50/60 Hz
Power Consumption	420 W Typical, 6 Amp Maximum
Dimensions (WxHxD)	1214 x 727 x 129mm, 47.8 x 28.6 x 5.1 inches (without base)
Weight	44 kg, 97.2 lbs. (without tabletop stand)
Environmental Considerations	Operating Temperature 32 - 104 degrees F Operating Humidity 20 - 80% Operating Altitude 0 - 6230 feet Storage Temperature 14 - 122 degrees F Storage Humidity 10 - 90% Storage Altitude 0 to 9840 feet
Warranty	1 Year Parts & Labor Standard
Regulatory	FCC Class A, UL1950, CSA950
Included Accessories	AC Power Cord, User Manual, Wireless Remote Control, 15-pin RGB Cable, Batteries
Optional Accessories	PX-42VP1U-ST Tabletop Stand PX-RC2U Optional Wired/Wireless Pro Remote Control PX-50VP1U-PS Incline Stand PX-50VP1U-CV Rear Cover Plate FWMKPC Adjustable Depth Fixed Wall Mount FWMK Fixed Wall Mount TWMKPC Adjustable Depth Tilt Wall Mount TWMK Tilt Wall Mount CMKPC Adjustable Depth Ceiling Mount CMK Ceiling Mount QWMKPC Quad Wall Mount Kit EXTENDEDWAR50 Extended Warranty

Specifications subject to change without notice.