

PlasmaSync® 50MP2

Empowered by Innovation

NEC



they won't just see it...

# ...they'll see it your way.

## The PlasmaSync® 50MP2

No audience is an easy sell. To really make a lasting impression, your presentation must be as powerful as the idea behind it. And with NEC's PlasmaSync 50MP2 monitor, you'll find everything you need to win the support of any audience.

The 50MP2 is NEC's latest 50" XGA plasma display optimized for multimedia presentation. The 50MP2 has been designed specifically for professional multimedia applications with superior image quality, high-resolution support, broad compatibility with computers, standard video and HDTV signals in addition to built-in stereo audio. This combination of features lets you share your ideas with the excitement and enthusiasm that's sure to captivate any audience.

The 50MP2 is the perfect choice for conference room presentation, boardroom AV systems, video conferencing, broadcast and video production/editing/playback and training facilities. It is also ideal for control rooms, network operations, monitoring facilities, CAD, and rental and staging use.



"NEC's unique split screen allows you to display two sources simultaneously"

## New Features

The 50MP2 includes a number of new features and capabilities that enhance its performance in multimedia applications:

- 50% improvement in contrast ratio
- AccuCrimson filter for pure red color rendering
- Pixel Refresh technology added to AccuShield Phosphor Protection System
- Power consumption reduced by 25%
- Expanded Split Screen operation
- Improved Digital Zoom with more magnification steps for smoother transitions



Without AccuCrimson



With AccuCrimson

NEC's AccuCrimson filter technology enhances the display of red color.

### Superior Image Quality

The 50MP2 is equipped with NEC's advanced plasma panel technology to produce stunning image quality in a WideXGA native panel resolution of 1365x768. The 50MP2 includes NEC's exclusive Capsulated Color Filter™ Technology that provides extremely realistic and saturated colors as well as enhanced contrast. Color realism is enhanced by AccuCrimson, a filter technology that produces the purest shade of red possible in a plasma display.

The PlasmaSync 50MP2 delivers superb image quality from any source. NEC's Advanced AccuBlend™ scan conversion provides precise interpolation of computer-based information from VGA to UXGA in both 16:9 and 4:3 aspect ratios. This enables the 50MP2 to display clear, readable images even in non-native resolutions. In addition, motion-compensated 3D scan conversion provides smooth, lifelike display of video sources and a 3-2 pull down converter enhances the appearance of content originally produced in 24 frame/second film.

### Broad Signal and Source Compatibility

The 50MP2 can connect to and display signals from virtually any input source whether it is computer, conventional video or high-definition video. It is compatible with PC signals from VGA to UXGA and also accepts video inputs ranging from composite through S-Video to component and supports the primary HDTV standards. And with eight inputs present as standard equipment it has the built-in flexibility to accommodate virtually any source without extra cost for optional input modules.

### Enhanced Presentation Effectiveness

The PlasmaSync 50MP2 provides enhanced functionality for presentation environments. NEC's unique Split Screen display capability allows simultaneous display of multiple input sources to support videoconferencing, workgroup collaboration and other multi-tasking uses. It also includes a Digital Zoom function that allows you to select any portion of the screen and magnify it to emphasize a point or highlight information.



More than a simple picture-in-picture, Split Screen lets you position computer and video images in different configurations around the screen to support videoconferencing, workgroup collaboration and other multi-tasking uses.

Position the cursor anywhere on the screen and magnify it up to 3 times in 64 steps for smooth transitions



### Comprehensive Control Options

A wired/wireless handheld remote control and convenient front bezel controls provide access to all monitor functions via an intuitive on-screen menu system. Plus, complete RS232 external control is available for each monitor function. The RS232 system provides two-way communication to verify the execution of commands.

The 50MP2's user-friendly on-screen menu system is easy to operate with understandable terminology, clear graphics and simple navigation requiring a minimal number of commands.



### Stereo Audio

The 50MP2 features a powerful internal 7-Watt stereo audio amplifier, external speaker jacks and comes with optional external speakers that can attach to the sides of the monitor to provide a seamlessly integrated audio solution.

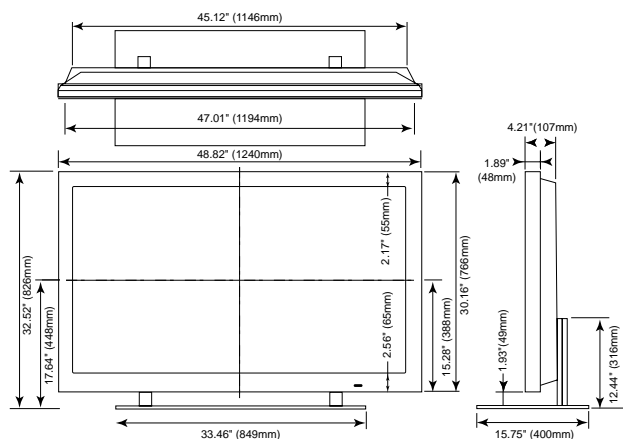
### AccuShield™ Phosphor Protection System

NEC's AccuShield™ Phosphor Protection System provides the most comprehensive set of countermeasures available to minimize the effects of phosphor burn. The AccuShield System can help prevent phosphor burn and minimizes its perceptible effects if it does occur. In addition to Inverse RGB, Pixel Orbiter and Brightness Limiter modes, Programmable Pixel Refreshment has been added. This mode deploys a scrolling white bar that activates pixels without obscuring image content to help reduce the possibility of phosphor burn.

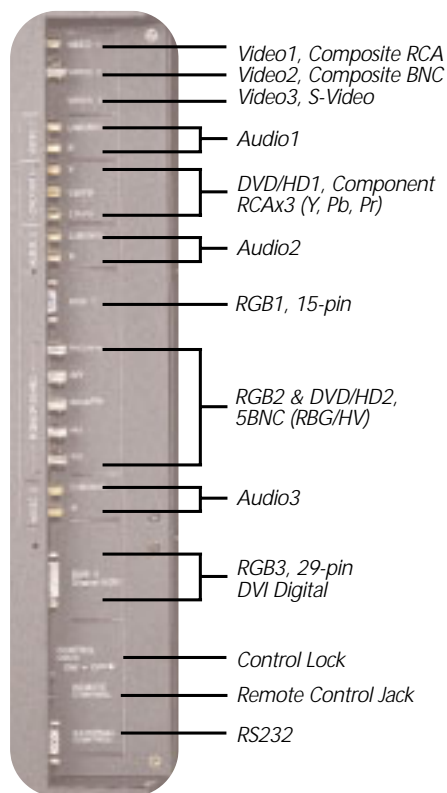


Inverse Mode inverts red, green and blue color values to precisely even wear on phosphor and remove the perceptible effects of image retention.

# PlasmaSync® 50MP2



## Input Panel



## Service and Support

The PlasmaSync 50MP2 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**

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## Specifications

|                                  |   |
|----------------------------------|---|
| Model Number                     | PX-50XM2A   |
| Diagonal Screen Size             | 50"   |
| Screen Aspect Ratio              | 16 : 9  |
| Active Screen Area               | 1106 x 622 mm, 43.5 x 24.5 inches   |
| Native Pixel Resolution          | 1365 vertical dots x 768 horizontal rows  |
| Pixel Pitch                      | 0.81 mm square  |
| Capsulated Color Filter          | Yes   |
| AccuCrimson                      | Yes   |
| Output color                     | 256 RGB levels, 16.7 million colors   |
| Viewing Angle                    | 160 degrees   |
| Horizontal Frequency Range       | 15.5 to 93.8 kHz auto, step scan  |
| Vertical Frequency Range         | 50 to 120 Hz auto, step scan  |
| PC Signal Compatibility          | VGA 640x480 @ 60,72,75,85,100, 120 Hz<br>SVGA 800x600 @ 56, 60, 72,75,85,100,120 Hz<br>XGA 1024x768 @ 60,70,75, 85, 100 Hz<br>SXGA 1280x1024 @ 60, 75, 85 Hz<br>UXGA 1600x1200 @ 60, 65, 70, 75 Hz<br>WideVGA 848x480, 852 x 480 @ 60Hz<br>WideXGA 1360 x 768 @60Hz   |
| Workstation Compatibility        | EWS4800 - 1280x1024<br>HP - 1280x1024<br>Sun - 1152x900, 1280x1024<br>SGI - 1024x768, 1280x1024   |
| Macintosh Compatibility          | 640x480, 832x624, 1024x768, 1152x870  |
| Video Signal Compatibility       | NTSC 3.58/4.43, PAL, SECAM,   |
| SD/HD Video Signal Compatibility | 480p 480i, 525p, 525i, 540p, 625p, 625i, 720p,1035i, 1080i  |
| Input Terminals                  | RGB 1 (analog) 15-pin mini D-sub<br>RGB 2 (analog) 5 BNC (RGB/HV)<br>(common use with 5BNC Y/Pb/Pr input, selectable)<br>RGB 3 (digital) 29-pin DVI (digital only)<br>Video 1 Composite RCA x 1<br>Video 2 Composite BNC x 1<br>Video 3 S-Video 4-Pin DIN<br>HD Video 1 1 set RCA Component (Y/Pb/Pr, Y/Cb/Cr)<br>HD Video 2 1 set BNC Component (Y/Pb/Pr, Y/Cb/Cr)<br>(common use with 5BNC RGB/HV input,selectable)<br>Audio 3 sets RCA stereo + external speaker jacks   |
| Audio                            | Internal amplifier, 7W x 2 output power   |
| External Control                 | 9-pin mini D-Sub, RS232   |
| User Controls                    | Direct Access Power on/off, input selection, OSM access, (Control Lock Switch located on input panel)<br>Remote Control Power on/off, input select, volume, mute, wide, display, off-timer, OSM control, cursor, pointer, multi screen, zoom, auto, select<br>OSM Contrast, brightness, sharpness, color, tint, color temperature, white balance, picture mode, noise reduction, bass, treble, balance, vertical position, horizontal position, vertical height, horizontal width, fine picture, picture adjust, auto picture, power management, cinema mode, RGB select, BNC select, HD select, audio input, OSM adjustment, gray level, PLE, reset, frequency, language, color system |
| Plug & Play                      | DDC1, DDC2B (RGB3 is DDC2B only)  |
| Power Requirements               | 120V 50/60 Hz   |
| Power Consumption                | 480 W Typical, 5.4 Amp Maximum  |
| Dimensions (WxHxD)               | 1240 x 766 x 107mm, 48.8 x 30.2 x 4.2 inches (without base)   |
| Weight                           | 44.0 kg, 97.9 lbs. (without tabletop stand)   |
| Environmental Considerations     | Operating Temperature 32 - 95 degrees F<br>Operating Humidity 20 - 80%<br>Operating Altitude 0 - 6230 feet<br>Storage Temperature 14 - 122 degrees F<br>Storage Humidity 10 - 90%<br>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, Remote Control, Remote Control Cable, 15-pin RGB Cable, Batteries   |
| Optional Accessories             | Tabletop Stand PX-50VM1U-ST<br>Attachable Speakers PX-50VM1U-S1<br>Fixed Wall Mount FWMK<br>Tilt Wall Mount TWMK<br>Ceiling Mount CMK<br>Extended Warranty EXTENDEDWAR50  |

Specifications subject to change without notice.