PlasmaSync® 42MP3

41.3" (1048mm)
37.1" (942mm)
21.3" (541mm)
25.5" (648mm)
12.8" (324mm)
12.8" (324mm)
3.5" (89mm)

- Video 1
- Video 2
- Audio 1
- DVD1 / HD1
- Audio 2
- RGB1 Input
- RGB2 / DVD2 / HD2
- Audio 3
- External Control
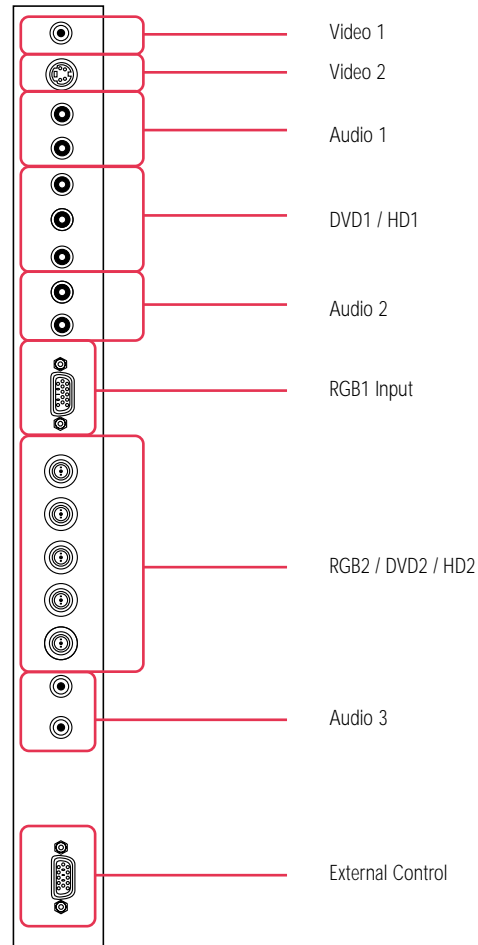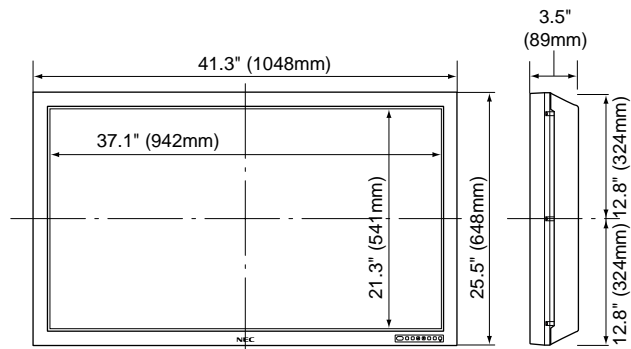
Service and Support

The PlasmaSync 42MP3 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-42VM3A	
Diagonal Screen Size	42"	
Screen Aspect Ratio	16 to 9	
Active Screen Area	921mm x 518 mm	
Native Pixel Resolution	853 vertical dots x 480 horizontal rows	
Pixel Pitch	1.08 mm square	
Contrast Ratio (set)	1500 to 1	
Capsulated Color Filter	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 to120 Hz auto, step scan	
PC Signal Compatiblity	VGA 640x480 @ 60,72,75,85,100, 120 Hz	
	SVGA 800x600 @ 56, 60, 72,75,85,100,120 Hz	
	XGA 1024x768 @ 60,70,75, 85, 100 Hz	
	SXGA 1280x1024 @ 60, 75, 85 Hz	
	WideVGA 848x480, 852 x 480 @ 60Hz	
	WideXGA 1360 x 765 @60Hz	
Macintosh Compatibility	640x480, 832x624, 1024x768, 1152x870	
Video Signal Compatibility	PAL, SECAM, 3.58/4.43 NTSC	
HD Video Signal Compatibility	480p 480i, 525p, 525i, 540p, 625p, 625i, 720p,1035i, 1080i	
Input Terminals	RGB 1 (analog)	15-pin mini D-sub
	RGB 2 (analog)	5 BNC (RGB/HV) (common use with 5BNC Y/Pb/Pr input, selectable)
	RGB 3 (digital)	29-pin DVI (digital only)
	Video 1	Composite RCA x 1
	Video 2	S-Video 4-Pin DIN
	HD Video 1	1 set RCA Component (Y,Pb,Pr/Y,Cb,Cr)
	HD Video 2	1 set BNC Component (Y,Pb,Pr/Y,Cb,Cr) (common use with 5BNC RGB HV input, selectable)
	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)
	Remote Control	Power on/off, input select, volume, mute, wide, display, off-timer, OSM control, cursor, pointer, zoom, auto, select
	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, RGB select, BNC select, HD select, audio input, OSM adjstment, gray level, PLE, reset, frequency, language, color system
Plug & Play	DDC1, DDC2B (RGB3 is DDC2B only)	
Power Requirements	120V 50/60 Hz	
Power Consumption	280 W Typical, 3.9 Amp Maximum	
Dimensions (WxHxD) - without base	1048 x 648 x 89mm, 41.3 x 25.5 x 3.5 inches	
Weight	28.5 kg, 62.8 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 Classs 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-42VM1U-ST
	Attachable Speakers	PX-42VM1U-S1
	Fixed Wall Mount	FWMK
	Tilt Wall Mount	TWMK
	Ceiling Mount	CMK

Specifications subject to change without notice.

There is nothing like a roomful of people...

The PlasmaSync®, 42MP3.

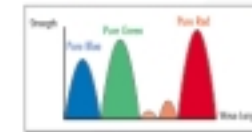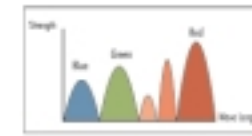The difference between simply presenting your ideas – and making them a sensory experience.
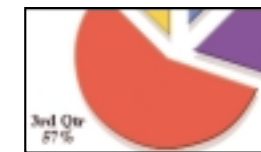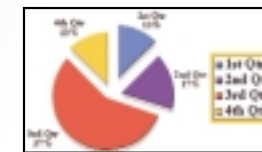
Superior Image Quality

NEC's plasma panel technology is so advanced it makes every idea brilliant. It starts with a progressive scan driving method that provides bright, clear, stable images with no line flicker. We've made major improvements in brightness and contrast performance with the 42MP3. Realistic color reproduction via NEC's exclusive Capsulated Color Filter™ technology is now enhanced by AccuCrimson, a filtration technology that produces the purest shade of red yet possible in a plasma display. The 42MP3's brightness, contrast and color is further complimented by NEC's Advanced AccuBlend scan conversion and sophisticated video signal processing including motion-compensated 3D scan conversion and a 3/2 pull down converter ensures the best possible image quality from any source. Simply put, the 42MP3 makes it even easier for you to give your audience the best presentation they've ever seen.

Compatibility

The 42MP3 can connect to and display signals from virtually any input source. A comprehensive input panel includes connection for up to 8 different sources including three assignable audio inputs and a 29-pin DVI input for total flexibility of connections and system configuration.
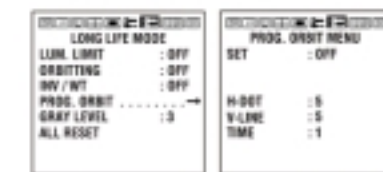
Digital Zoom

With the 42MP3's digital zoom you can select a portion of the screen image and enlarge it up to 9 times in smooth steps to highlight information or emphasize a point.

With Digital Zoom you can select a portion of the screen image and enlarge it up to 9 times with the touch of a button on the remote control.

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

Stereo Audio

The 42MP3 includes an 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 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, a Programmable Pixel Refreshment mode has been added. This mode deploys a horizontally scrolling white bar that activates pixels without obscuring image content to help alleviate the possibility of phosphor burn.

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

The 42MP3 is NEC's next generation of 42" plasma display optimized for multimedia presentation applications. The 42MP3 has been designed specifically for professional multimedia use with superior image quality, broad signal and source compatibility plus built-in stereo audio. This unique combination of capabilities brings your ideas to life: making it possible to give your audience a bit more than just a great presentation – like goose bumps.

The 42MP3 is ideal for conference room presentations, boardroom AV presentation systems, video conferencing, broadcast and video production/ editing/playback and training facilities.

" The 42MP3 offers a 1500:1 contrast ratio - nearly triple that of the previous generation."

3rd Generation Enhancements

The 42MP3 builds on two previous generations of NEC's MP Series performance to further refine its position as the leading 42" multimedia plasma display. It offers a 1500:1 contrast ratio – nearly triple that of NEC's previous generation. It's 25% brighter and has improved Advanced AccuBlend™ scaling. NEC's exclusive AccuCrimson™ filter enhances color reproduction – creating rich, vibrant images. The 42MP3 is more efficient – requiring 30% less power than its predecessors. It has no cooling fans to create white noise, so the only thing your audience will hear is you. Additional AccuShield™ Phosphor Protection modes combat screen burn. And smoother digital zoom allows you to make a point – without creating a distraction.