

 **NEC PlasmaSync™ Range**



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NEC PlasmaSync™ and OSM are trademarks of NEC Corporation. The plasma display panel consists of fine picture elements (cells). Although NEC produces these plasma display panels with more than 99.99 percent of their cells active, there may be some cells that do not produce light or remain lit after they should have turned off. Light output of a PDP module gradually decreases over long-term use. Do not display static images for prolonged periods; otherwise a phosphor burn may appear on a part of the panel. Phosphor burns are not covered by the warranty. Status October 2005. Specifications may change without notice.



Empowered by Innovation



NEC PlasmaSync™ Range



- Professional Plasma displays for
- professional people

NEC PlasmaSync™ Range



PlasmaSync™

42
42VP5H/
42VM5H

42
42XM4

50
50XM5

61
61XM4



NEC PlasmaSync™ Applications

Business, retail and other demanding environments.

NEC PlasmaSync™ displays are the ultimate solution. NEC PlasmaSync™ is ideal for office lobbies, conference centres, design studios, call centres, training centres, trade shows, commercial showrooms, shopping centres and any retail outlet from food to luxury goods. NEC PlasmaSync™ undeniably captures your audience, using the most powerful medium available to humankind, "dynamic visual pictures". Be assured that presenting your visual communication with the NEC PlasmaSync™ is the best possible combination.

Education and training.

NEC PlasmaSync™ sets the scene for the future as an invaluable teaching aid, enriching information transfer and livening up presentations. Medical and Engineering institutions have taken the NEC PlasmaSync™ displays as a vital part of their daily teaching deliberations.

Dynamic marketing and advertising applications.

Delivering up to date advertising at the point of sale NEC PlasmaSync™ displays play the final delivery task by use of vivid clear pictures with outstanding consistency of picture reproduction day after day. Offering you guaranteed colour reproduction with crystal clear definition.

Entertainment.

From bars and nightclubs to sporting events, photographic to moving images, ambience setting to mood delivery the NEC PlasmaSync™ takes centre stage on every level.

Passenger terminal information delivery points.

NEC PlasmaSync™ is setting industry milestones. Specific models are equipped with a unique Anti Glare filter which optically eradicates any reflections from the front surface of the displays, results in achieving subtle but very clear font recognition. This technology has been developed over many years and gives terminal information display a subtle but powerful communication medium.

NEC PlasmaSync™ Range

- 42" Wide VGA Multimedia Display
- 42" Wide XGA Multimedia Display
- 50" Wide XGA Multimedia Display
- 61" Wide XGA Multimedia Display



Introducing the NEC PlasmaSync™ Display Range

Elected by you to be the Industry's leader

NEC sets industry standards across a broad range of business technologies. Our REPUTATION is measured by our successful product range which offers industry leading innovation. NEC designs, develops and produces every one of its plasma monitors, with standards and processes that surpass industry requirements.

NEC's IMAGE is based on producing 'state of the art' technology that delivers real business benefits to our customers. NEC's PHILOSOPHY is to establish long term business relations wherever we operate in the world.

NEC's established policy of ongoing research and development means that we continue to produce reliable,

future-proof solutions within this fast moving technology led society. NEC's INNOVATIVE approach to business partnerships is designed to bring rewards for everyone who comes on our journey.

SERVICE and innovation in motion - Our approach to service is designed to guarantee system provenance and maintain professional service levels. Our aim is also to maintain customer satisfaction, every NEC PlasmaSync™ solution is backed up by specialist NEC staff operating from purpose built laboratories with the right test equipment and expertise to keep our innovative technology up and running.

Into the future with NEC PlasmaSync™

NEC's new PlasmaSync™ range offers industry's leading precision picture performance, designed for outstanding endurance, exceptional user interface enhancements and reputable service levels expected from one of the worlds' plasma technology providers.

New NEC PlasmaSync™ delivers precision picture performance using doubled processing memory and maximum processing offers picture smoothing with minimum blur, bleed, or jagged edges and vivid colour.

Wherever dynamic images meet business demands, you'll find a NEC PlasmaSync™ display. NEC PlasmaSync™ delivers the

highest colour definition in the industry. Upgraded memory capacity and high processing speed ability with a technique that reproduces images with 68.7 billion colours makes NEC PlasmaSync™ displays stand out in even to the most critical and trained eye.

When it comes to optical definition of light wavelengths, NEC's unique signal processing DIGITAL AccuDevice circuit is perfectly in unison with the renowned optical filter CCF, Capsulated Colour Filter, effectively producing vivid rich colours and absolute respect to correct colour reproduction. So colours of your corporate logo's are faithfully reproduced time and time again.



PlasmaSync™

■ ■ ■ ■ NEC PlasmaSync™ models

42VP5H/42VM5H

42 inch Wide VGA NEC PlasmaSync™ for multi-media and public display

NEC 42" PlasmaSync™ solutions are renowned for delivering high quality pictures in any ambient conditions. This perfect picture performance owing to innovative technology guarantees 'the highest contrast rate in bright light conditions in the industry'.

Boasting a panel resolution of 853 x 480 pixels and an efficient single scan technology, this model is capable of achieving industry's highest level of contrast ratio in bright ambience environments. Many competitors boast of very high contrast levels but we at NEC quote only real life figures that matter to our professional users.

Positioned as our entry level product this product it offers all the connectivity available in higher positioned products from the range. Even though positioned as "entry level" we have kept all functionality or features, because we believe in full customer satisfaction.

Most entry level applications will present basic composite video signals, and so we have equipped in this range the best video decoder and processing circuits ever seen in the industry.

Given all the added advanced improvements we strive to remain competitive offering you renowned NEC brand at affordable prices.



42VP5H 42 inch & 42VM5H 42 inch

Wide VGA Multimedia and Public Displays

- 42-inch Wide VGA Plasma
- Anti-Glare Front Filter (VP5H only)
- Anti-Reflective Front Filter (VM5H only)
- 16:9 Aspect Ratio
- 853 x 480 Pixel Resolution
- Supports WUXGA 1920 x 1200 @ 60Hz
- 1.08mm(H) x 1.08mm(V) Pixel Pitch
- Only 89mm Deep
- Only 28.5kg
- Cool and Quiet Operation
- 900% Smooth Digital Zoom
- Industry's Highest level Contrast Ratio in Bright Light
- Digital AccuDevice
- Mass Area Superior Sampling Technology
- Gamma-12, Colour Processing 4096 steps
- Burn In Reduction Tools
- RS232 Interface for External Control



■ ■ ■ ■ NEC PlasmaSync™ models

PX-42XM4

42 inch Wide XGA NEC PlasmaSync™ for multi-media display

The new 42" Wide XGA PlasmaSync™ from NEC boasts a completely new panel and module design, setting newer standards delivers crisp, vivid images, irrespective of the prevailing light conditions in any application

With a resolution of 1024 x 768 NEC PlasmaSync™ panels now incorporate a new crystal emissive layer, this state of the art technology reduces the discharge time of each pixel thereby making the reaction very much faster, this in turn reduces and phosphorous lag time. In addition to faster reaction times, the amount of "black luminance" is reduced thereby resulting in a very high contrast level. Further improvements have been achieved in the

drive technology, giving us a 'crystal clear' driving signal that further enhances luminance of the overall pictures but most importantly it dramatically reduces false contouring. As the discharge is faster this results in a lower power consumption of the NEC PlasmaSync™.

The new 42" Wide XGA NEC PlasmaSync™ has a new design of the rear panel incorporates new recessed handles. The connectivity interface is now located at the rear bottom of the screen.

The renowned enhanced split screen function is now also available in the new 42" Wide XGA PlasmaSync.

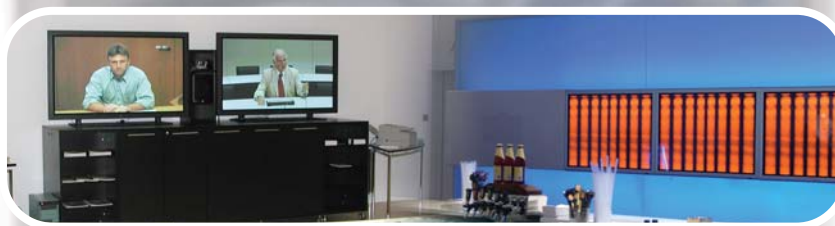
**HD
ready**



42XM4 42 inch

Wide XGA Multimedia Display

- 42-inch Wide XGA Plasma
- 16:9 Aspect Ratio
- 1024 x 768 Pixel Resolution
- HD Ready (720p, 1080i @ 50Hz)
- Supports WUXGA 1920 x 1200 @ 60Hz
- 0.900mm(H) x 0.671mm(V) Pixel Pitch
- Enhanced Split Screen
- Text Ticker Function
- 900% Smooth Digital Zoom
- Industry's highest level Contrast Ratio in Bright Light
- New LSI (Enhanced MASS and AccuDevice)
- Low power consumption 285W
- Gamma-12, Colour Processing 4096 steps
- Only 98mm Deep
- Only 30kg
- Recessed Carrying Handles
- Bottom I/F Location
- Cool and Quiet
- Burn In Reduction Tools
- Fluid Orbiter
- RS232 Interface for External Control
- Increased OSD Language Support



PlasmaSync™

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■ ■ ■ ■ NEC PlasmaSync™ models

PX-50XM5

50 inch Wide XGA NEC PlasmaSync™ for multi-media display

Capture your audience's attention in spectacular style! Blending into a wall or hanging unobtrusively from a ceiling, the NEC PlasmaSync™ 50XM5 turns an ordinary space into a sophisticated multimedia environment. With multi screen operations, broad source compatibility, Digital Zoom capabilities, and of course outstanding image quality, it is ideal for conference room presentations, videoconferencing, control room and broadcast applications.

The NEC 50" Wide XGA PlasmaSync with a resolution of 1365 x 768, but the real professionalism can be seen when you dig deeper and realise that the pixel formation is a square format of 0.81mm x 0.81 mm.

What this equates to in real life is that reproduction of the picture is a true representation in scale and it is not distorted in any fashion.

As the native pixel formation is square and each pixel is addressed individually this means no scalar circuit is required to try and map the picture on to this resolution. This density provides excellent clarity and crispness, and as the pixels are square, picture reproduction results in even greater precision with virtually no distortion, this is especially evident when displaying complex graphics and small text characters.

Like the rest of the range this plasma comes with full connectivity to all types of picture sources.

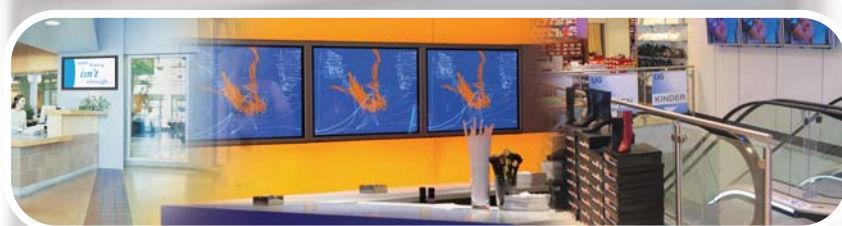


50XM5 50 inch

Wide XGA Multimedia Display

- 50-inch Wide XGA Plasma
- 16:9 Aspect Ratio
- 1365 x 768 Pixel Resolution
- HD Ready (720p, 1080i @ 50Hz)
- Supports WUXGA 1920 x 1200 @ 60Hz
- 0.81mm(H) x 0.81mm(V) Pixel Pitch
- Enhanced Split Screen
- Text Ticker Function
- 900% Smooth Digital Zoom
- Industry's highest level Contrast Ratio in Bright Light
- New LSI (Enhanced MASS and AccuDevice)
- Gamma-12, Colour Processing 4096 steps
- Only 96mm Deep
- Only 44.5kg
- Cool and Quiet
- Burn In Reduction Tools
- Fluid Orbiter
- RS232 Interface for External Control
- Increased OSD Language Support

HD
ready



■ ■ ■ ■ NEC PlasmaSync™ models

PX-61XM4

61 inch Wide XGA NEC PlasmaSync™ for multi-media display

The 61XM4 gives you the size and the image to impress. Whichever way you look at it, the NEC PlasmaSync™ 61XM4, makes quite an impression. At 61" it produces images that are as powerful as they are beautiful.

Behind its incredible sharp detail and vivid colours reproduction is the 61XM4's resolution of 1365 x 768, and as the 50" this very large plasma screen also boasts square pixels of dimensions 0.99mm x 0.99 mm.

And with the various new technologies is undoubtedly the most advanced and dramatic means of communicating your ideas and messages.

The Enhanced Screen Function is the most advanced within the industry. For business, education, sales, or for whatever target

audience, bigger is considerably better when it comes to making a lasting impression.

At 61", the NEC PlasmaSync™ monitor commands attention wherever it goes. Nothing is as effective as a bright, sharp 61" NEC PlasmaSync™ monitor when you need to make an impact. Its large-sized display guarantees that your impact will be big, and its thin, shape and versatile mounting options mean it can be used virtually anywhere. Delivering images of a size and quality never before experienced, the 61XM4 communicates excitement and interest directly to audiences across all sections of life.

Like the rest of the range this plasma comes with full connectivity to all types of picture sources.

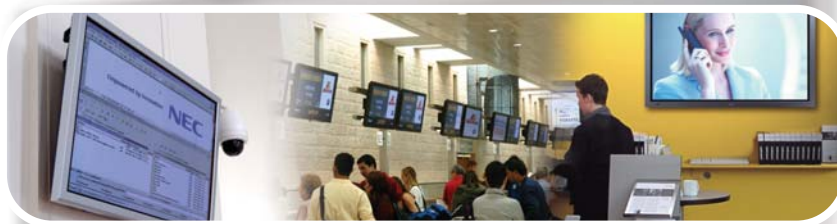


61XM4 61 inch

Wide XGA Multimedia Display

- 61-inch Wide XGA Plasma
- 16:9 Aspect Ratio
- 1365 x 768 Pixel Resolution
- HD Ready (720p, 1080i @ 50Hz)
- Supports WUXGA 1920 x 1200 @ 60Hz
- 0.99mm(H) x 0.99mm(V) Pixel Pitch
- Enhanced Split Screen
- Text Ticker Function
- 900% Smooth Digital Zoom
- Industry's highest level Contrast Ratio in Bright Light
- New LSI (Enhanced MASS and AccuDevice)
- Gamma-12, Colour Processing 4096 steps
- Only 119mm Deep
- Only 61kg
- Cool and Quiet
- Burn In Reduction Tools
- Fluid Orbiter
- RS232 Interface for External Control
- Increased OSD Language Support

HD
ready



PlasmaSync™

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■ ■ ■ ■ NEC PlasmaSync™

TECHNOLOGY

NEC PlasmaSync™ Panel Structure

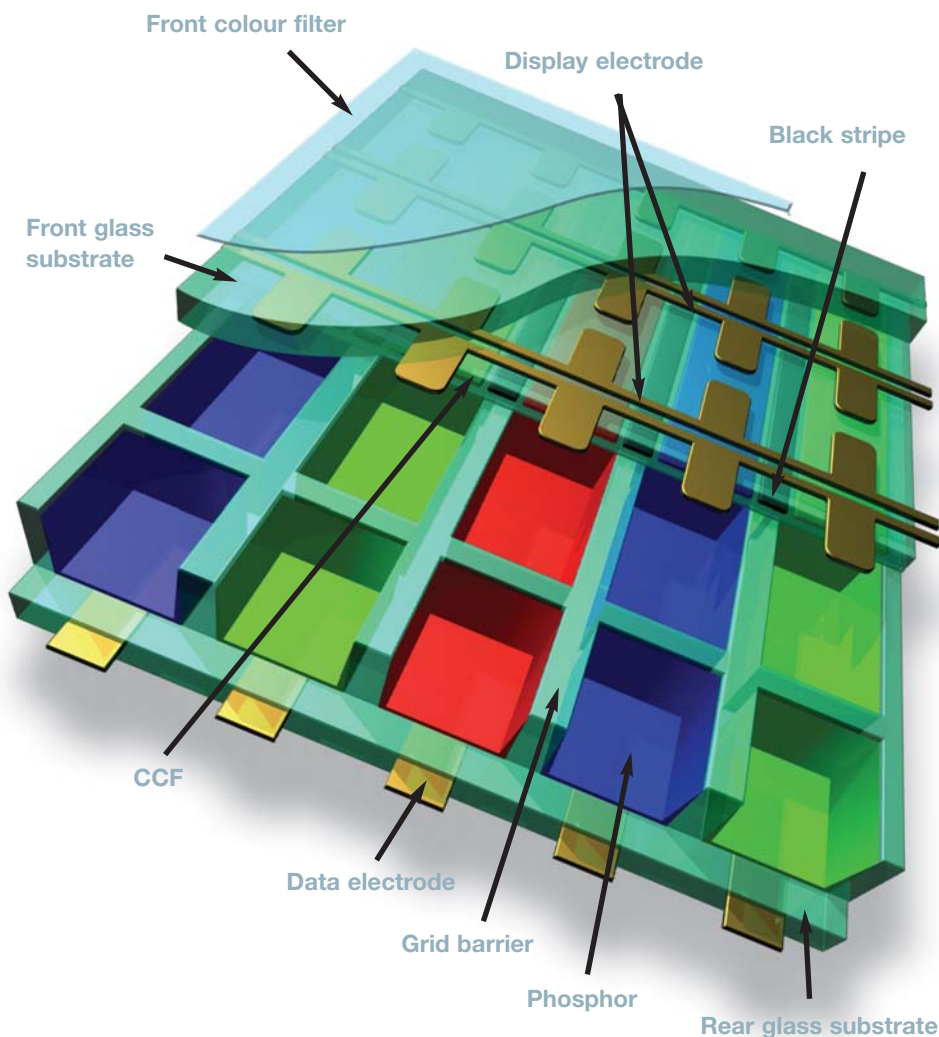
About NEC PlasmaSync™ Technology

Light is created by applying voltage to a pair of electrodes in cells which are coated in red, green and blue phosphors. This results in the emission of light and the display of an image. The NEC PlasmaSync™ cell structure features grid barrier ribs which vertically separate cells, preventing light pollution, from cell to cell.

NEC PlasmaSync™ special cell structure directs light more effectively, so that the cell produces increased luminance and, at the same time, uses less energy to produce an image. This means all NEC PlasmaSync™ displays operate efficiently and deliver brighter and clearer images.

NEC PlasmaSync™ Panel Structure (42VP5H, 42VM5H, 50XM5, 61XM4)

AccuCrimson filters are specifically designed to attenuate 'orange light pollution' in the red colour wavelength range. This unique colour filter clearly expresses the delicate colour variance between the cinnabar and red colours of the spectrum and guarantees that true, natural skin colours are reproduced on screen. Primary colours are handled by additional NEC PlasmaSync™ filters known as **CCF (Capsulated Colour Filters)**, this means each pixel has its own unique embedded filter. This results in more accurate colour reproduction of the primary colours red, green and blue which make up the colour spectrum. Black stripes are positioned between the cells to ensure that deep black, bright white and vivid colour is faithfully reproduced. In addition, the black strips help minimise external light reflection on the screen.



AccuCrimson with Capsulated Colour Filter (CCF) delivers:

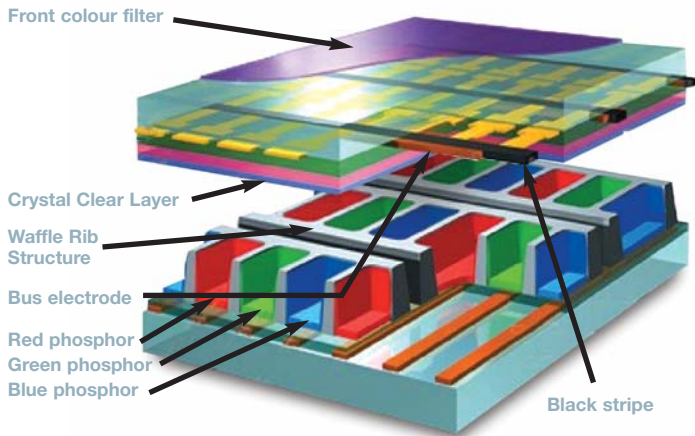
- **Optimised colour spectrum**
Improves colour purity by filtering the three primary colours (RGB)
- **Removal of unwanted light**
Filters orange colours produced by neon and xenon when either red, green or blue phosphorous is excited, it outputs the real wavelengths of red, green and blue respectively, but also moves wavelengths at either side of the fundamental. To ensure that only true wavelengths leave the plasma we incorporate the CCF filter.
- **Reduced Screen Reflection**
Black stripes between cells plus CCF technology reduces screen reflection
- **Elimination of Orange Light**
AccuCrimson suppresses orange to produce REAL LIGHT.

TECHNOLOGY

Panel Structure :: Digital AccuDevice V2 :: Gamma 12

NEC PlasmaSync™ Panel Structure (42XM4)

With a resolution of 1024 x 768 NEC PlasmaSync™ 42 inch panels now incorporate a new Crystal Clear Layer. This state-of-the-art technology reduces the discharge time of each pixel making the reaction very much faster, in turn reducing phosphorous lag time. In addition to resulting in faster reaction times, the amount of "black luminance" is very much reduced giving a very high contrast level.



Advantage of "Crystal Clear Layer" :
 - Black luminance is reduced
 - Luminance efficiency is increased
 - High emission speed

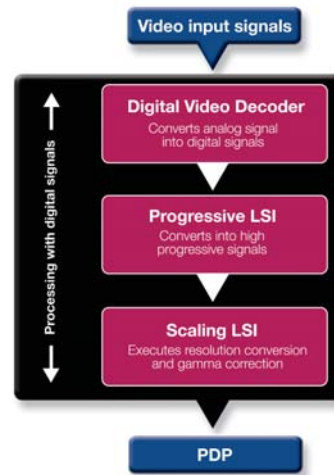
Further improvements in the drive technology result in a 'crystal clear' driving signal that enhances luminance of the overall picture, but most importantly it dramatically reduces false contouring. A faster discharge results in a lower power consumption of the NEC 42 inch PlasmaSync™.

Digital AccuDevice V2

The NEW Digital AccuDevice V2 is a new digital signal-processing circuit which incorporating many features and functions, as well as incorporating major enhancements to the ESS (Enhanced Split Screen) function, an invaluable tool for many business applications.

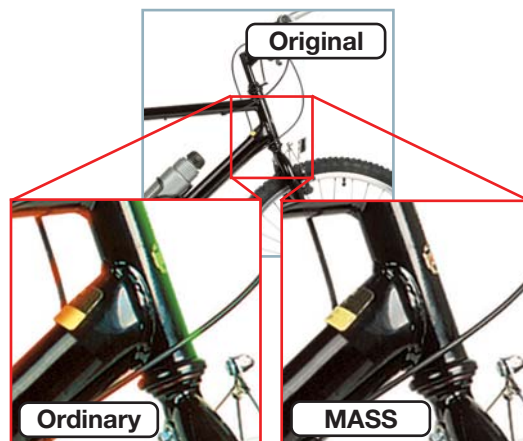
NEW Digital AccuDevice V2 integrates three separate circuits to achieve complete digitization of all input signals, ensuring that all internal signal processing is digital signals. This process ensures consistent high contrast levels and crisp image reproduction for both main screen and sub screen operation – producing perfect picture performance every time.

- Motion Compensated 3D Scan Converter
- Mass Area Superior Sampling
- Noise Reduction
- Pull Down Detection & Processing



Gamma 12

The Gamma 12 technology enhances colour contrast by using 4096 gradation steps (equivalent to colour processing of 68.7 billion colours), producing rich, smooth image contrast. This is important for details image reproduction in the dark range of the colour spectrum.



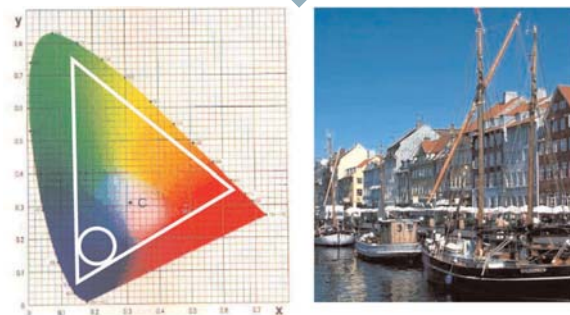
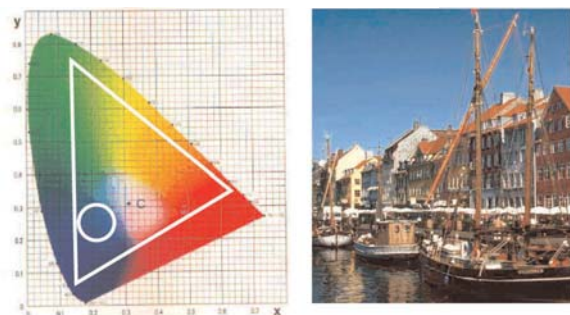
TECHNOLOGY

Colour Tuning :: Advanced Edge Correction :: Colour Temperature :: LSI to VLSI

Colour Tuning

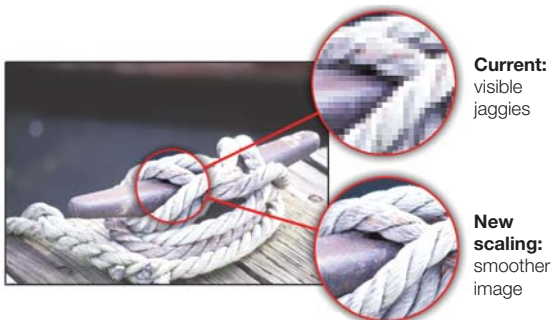
Colour Tune Technology enables certain colours in the spectrum to be selectively picked and adjusted to be either paler or richer. In practice, this means specific colours in a picture can be deepened or strengthened without affecting other colours in the same picture. This technique is particularly effective for 'fine tuning' images, such as blue skies or oceans and green trees or landscapes, to achieve vivid, eye catching results or subtle, stylised images.

Colour Tune Technology



Advanced Edge Correction

The quality of image edge lines, are smoother and more defined with the newly improved Advanced Edge Correction, which uses superior scaling techniques. This feature means camera zooms and close ups emerge effortlessly onto the screen and the emphasis of small objects appears smooth and natural.



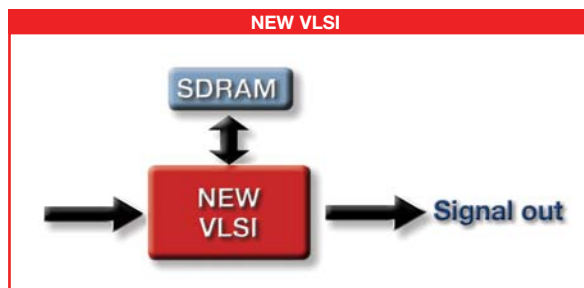
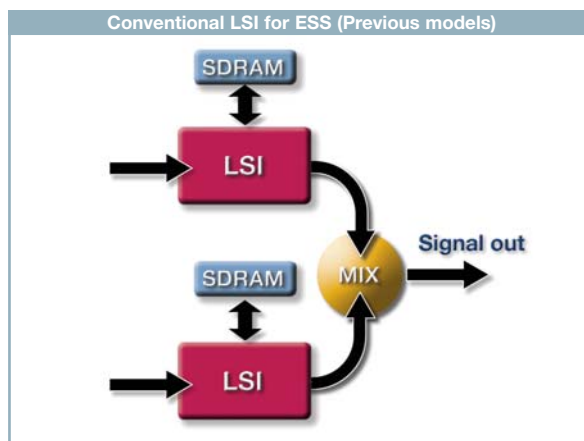
Colour Temperature

The Colour Temperature setting allows advanced adjustment of the tone of white with four preset modes and a professional mode, allowing complete independence over adjustment.



LSI to VLSI

The previous ESS (Enhanced Split Screen) required two LSI's, however with NEC's newly developed Signal Processing Digital AccuDevice (V2), the two LSIs have been combined into one VLSI. This allows for improved performance, enhancement of regular ESS functions, such as Advanced Detail Image Sampling, along with additional functions such as Text Ticker Function.

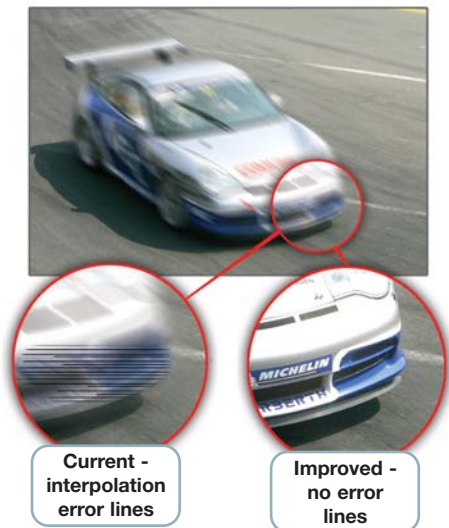


FEATURES

Advanced 3D Scan Converter :: Pull-Down Detection & Processing :: Advanced Detail Image Sampling
 Image Sampling :: Advanced Intra-Field Noise Reduction

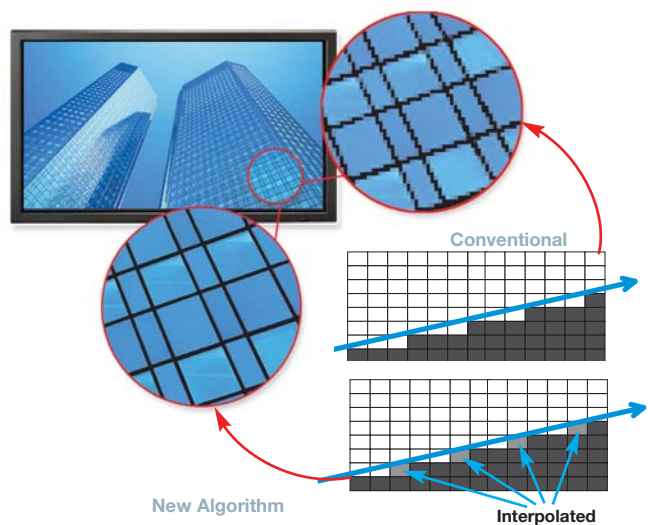
Advanced 3D Scan Converter

Exceptional noise free, moving and still images delivered by the Advanced 3D Scan Converter; a unique function that empowers NEC PlasmaSync™ displays to maintain full picture composition from input right through to screen and overcome image translation errors during 2D and 3D scanning mode. This new advanced scan technology detects and manages fast moving images with state-of-the-art processing tools that resolve interpolation errors to deliver totally smooth images. This ensures that high-definition quality is maintained even when an image is enlarged.



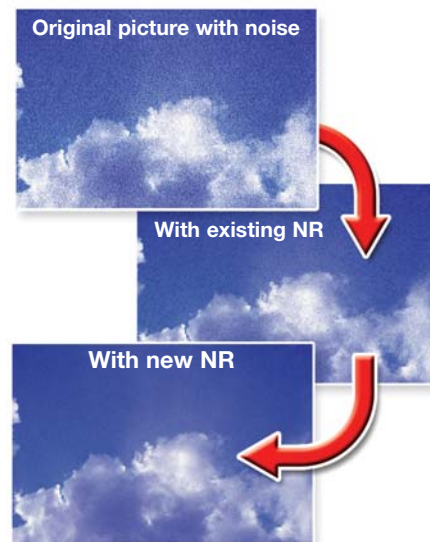
Advanced Detail Image Sampling

NEWLY DEVELOPED Advance Detail Image Sampling technique employs doubled memory capacity to capture and process data effectively and improve on-screen picture reproduction. The resulting images have clearer edges definition which means that there is more accurate reproduction of acute diagonal lines with smoother contours on often problematic lower degree angles such as a 15° horizontal angle.



Advanced Intra-Field Noise Reduction

New advanced intra-field noise reduction tools are able to achieve a significant improvement in picture quality by detecting and filtering all unwanted inter-field noise patterns.



Improved Pull-Down Detection and Processing

New improved Pull-Down Detection and Processing uses a new algorithm, detecting bad editing sources which creates significant horizontal line noises in the picture and converts the process from 2-3 pull down to a Motion Adaptive 3D Conversion, thereby eliminating this noise to create a clear and perfect picture.



■ ■ ■ ■ NEC PlasmaSync™

FUNCTIONS

Functions for Professionals - a new range of new functions for all business needs

Advanced Timer Functions

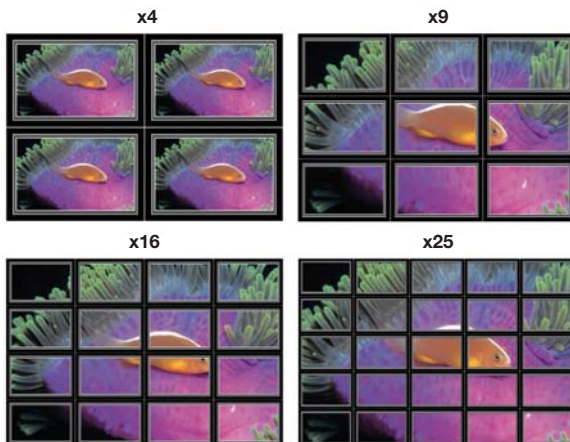
With professional users in mind the NEC PlasmaSync™ range has a number of programmable timer functions such as timer controls to power supply on/off or switch between image sources and the screen saver function. An additional option in the multi-system configuration enables users to program and execute schedules on the plasma display, negating the use of external control, such as a PC, in order to alternate screen images.

PROGRAM TIMER				
DATE	ON	OFF	INPUT	FUNCTION
MON	08:30	12:15	RGB2	INVERSE
TUE	--:--	18:15	--	--
SAT	08:30	12:15	VIDEO1	WHITE
*FRY	08:30	10:00	HD1	--
-	--:--	--:--	--:--	--
SAT	08:30	12:15	VIDEO1	WHITE
*	15:30	16:00	RGB1	--

◆◆ SEL ZOOM ADJ. EXIT RETURN

Configure a multi-screen system

Plasma multi-screen system can be configured for a maximum of 25 screens. With the built-in zoom function, multi-screen systems of 25, 16, 9, and 4 screens can be configured with powerful support functions designed to improve the setup procedures such as a video 'splitter'. The built in 'splitter' feature is designed for 2x2, 3x3, 4x4 or 5x5 video-wall from a single video source to all display screens. Therefore information such as presentations, schedules and slide shows can be centrally generated and displayed simultaneously on all displays screens.



Automatic ID

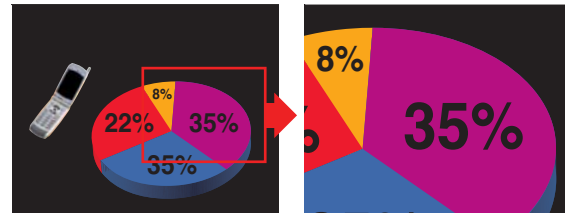
In multi-plasma-screen configurations, using an Automatic ID function sets the ID of each individual plasma automatically.

Power On Delay

Designed specifically for when multi-screen systems are turned on, this function allows for a time delay to be inserted in order to reduce power surges.

9x Digital Zoom function with 4032 combinations

NEC's fast, smooth Digital Zoom enlarges any image by up to a maximum 9x. 63 points of any image can be selected and magnified to 9 times in 64 separate steps.



PLE Link Function*

If the PLE Link Function is turned on, the respective PLE functions of the multiple displays of a multi-screen system can be aligned with each other. With this function, easy-to-see, vivid video images with uniform brightness are displayed.



* Up to 9 screens

FUNCTIONS

Functions for Professionals.

Portrait display

The NEC PlasmaSync™ range can be mounted in a portrait orientation, this is particularly suited to displaying advertising materials and where space is limited. The menu can also be displayed in this orientation.

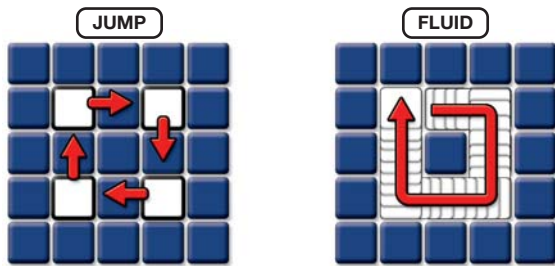


Screen Orbiter function with Advanced Fluid Orbiter

Users of the NEC PlasmaSync™ displays have six long life models (depending on the application):

- 1) PLE Lock, 2) Inverse, 3) White, 4) Orbiter, 5) Screen Wiper, 6) Soft Focus.

The orbiter function has now been further improved; the previous orbiter function would make the picture jump from pixel to pixel, but with the new orbiter the picture flows in a fluid circular motion.



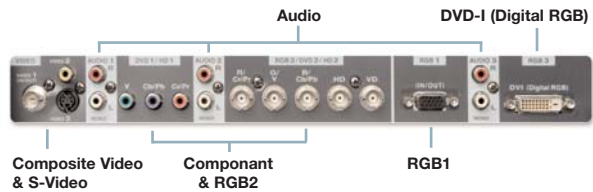
PLE Lock function

NEC PlasmaSync™ uses customised automatic PLE mode. This function decreases peak brightness when large areas of white colour appear on the screen. During periods when the screen image consists of large areas of dark imagery, contrast is automatically improved by increasing in peak brightness. This user enhanced PLE Lock function offers three modes with different brightness levels.



Input/Output interfaces

NEC PlasmaSync™ displays support the highest number of input and output interfaces in the industry. These include DVD, Hi Vision, Video, and PCs. Flexible operating functions enable users to switch between video signals from a single player or multiple NEC PlasmaSync™ displays that are connected in tandem.

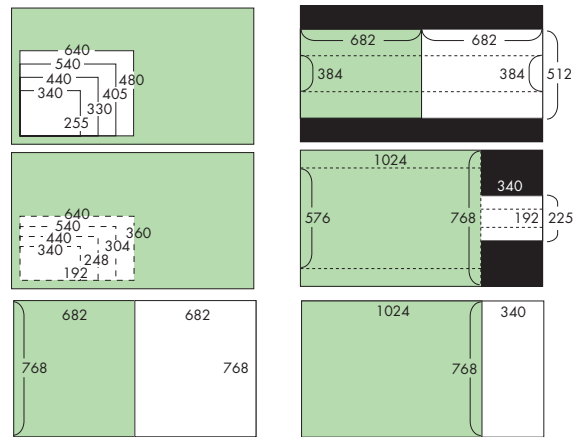


Remote ID Function

NEW remote ID tool enables users to set unique ID codes on a remote controller and identify specific monitors in a bank of screens. Control is simplified by use of ID codes and control keys to depict power on or stand-by mode and slaves a unique RC to a specific NEC PlasmaSync™ display.

Enhanced Split Screen (ESS)

All WXGA range of NEC PlasmaSync™ displays come with Enhanced Split Screen (ESS) as standard, which offers much more than the inferior Picture in Picture (PIP) used in the industry. It offers a double picture function which employs video processing circuits from the input right up to the plasma panel – resulting in outstanding picture quality from both signals and extreme flexibility when displaying two screen modes on the same screen.

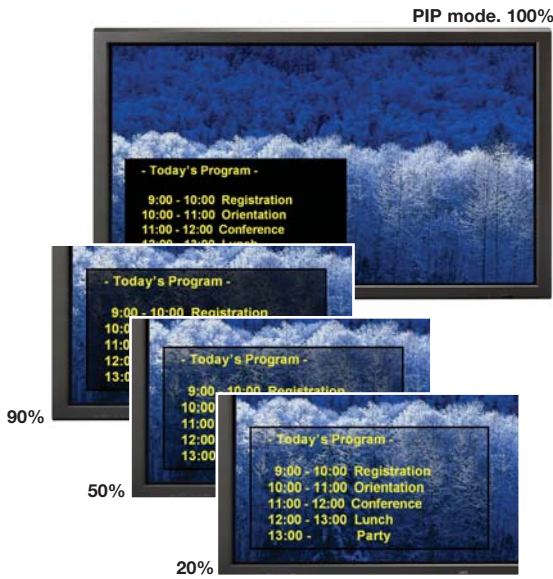


FUNCTIONS

Functions for Professionals.

Variable Sub Picture Transparency

This tool can be used in a variety of applications when both the sub picture and main picture are being used at the same time. It allows the user to select the transparency level of the sub picture. Anything from 100% to 20% can be selected, in steps of 10%.



Sub Picture Fade In/Out

This tool enables the user to select whether the sub picture appears immediately or whether it will gradually fade in/ out of the main picture.

Text Ticker Function

This extraordinary function, also incorporating variable transparency, allows text to be displayed in one quarter of the vertical height by one horizontal length sections, and to extend usability this can be done at four different positions of the screen: 1) Top, 2) Middle High, 3) Middle Low, 4) Bottom.

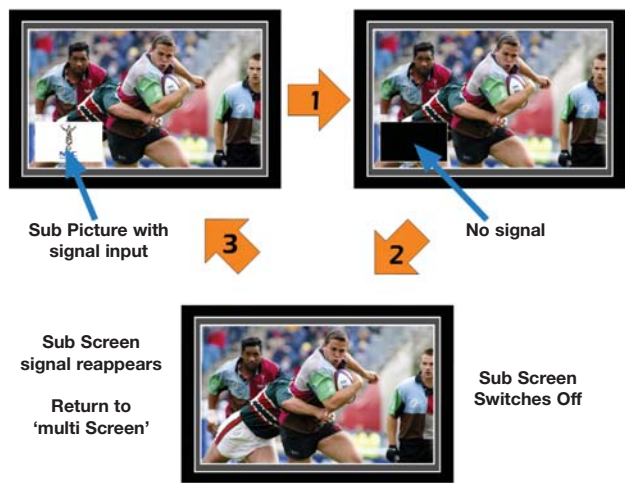
Selectable from 4 screen positions



Sub Picture Detect Function

Turns the sub screen on/off automatically

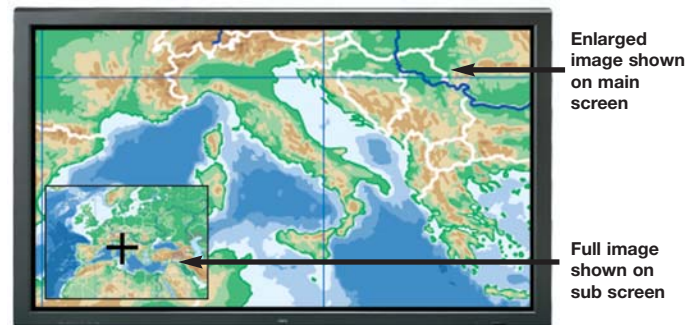
In ESS mode the sub screen is duly turned off whenever input signals are removed and it is automatically restored as soon as the signal resumes.



Zoom Navigation Function

indicates the area being enlarged

Zoom Navigation Function is where the sub-picture has the same picture as the main picture, but upon zooming into the main picture, the sub-picture attains a cursor symbol (+). This shows your position in the main picture, acting as an aid tracking all your movements in and around the main picture.



*This is available only for analogue RGB input.

* *This is available in the side-by-side screen mode as well.

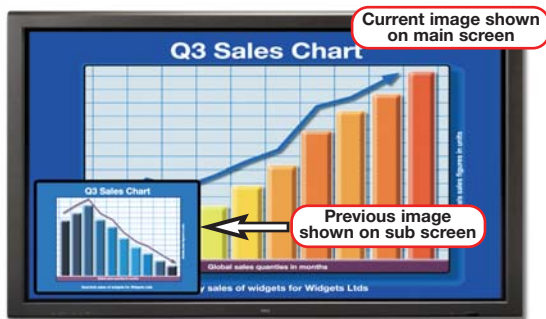
FUNCTIONS

Functions for Professionals.

Picture Freeze Function

Displays a still image on the sub screen

An image (or presentation slide) that has been displayed on the main screen can be stored on the plasma clipboard memory. It can then be shown as the sub-screen whilst the main screen can carry on with the slides. This means that during a presentation, the audience can view or compare two on-screen images simultaneously. (* This is available only for analogue RGB input. * This is available in the side-by-side screen mode as well.)

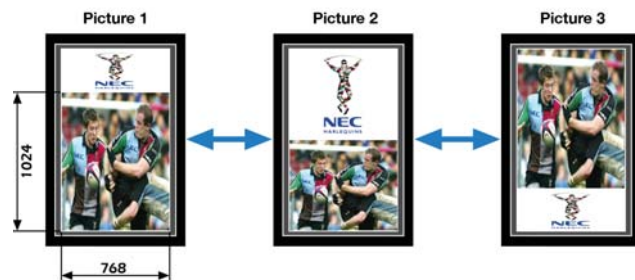


Side by Side Functions

This function has three aspect ratio patterns which can be selected for optimum screen display by using the cursor key on the remote control. When displayed in a portrait orientation it allows for one screen to display rolling text whilst the other screen maintains a 4:3 display ratio.

What makes this function even more outstanding are the combinations that can be created through images and text or time varying images and text – which ensures that interesting and informative displays are produced for all types of applications from hotels to restaurants and from shops to showrooms.

New Side-by-Side Mode



Sub Picture Moving Function

Moves the sub screen to any one of four positions

This function allows the sub screen picture to be displayed in any one of four positions on the screen. This provides more flexibility when displaying information or presentations to ensure that important data is not hidden by the sub picture.



Digital Zoom Function

Enlarges both the main and sub picture

In the side-by-side screen mode the use of simple cursor keystrokes means that selected screens can enlarge images by up to 900%. Twin Digital AccuDevice systems ensure very high image quality is maintained, even when an image is enlarged. This function provides many ways to accentuate key information and enables creative use of the system, such as highlighted comparison studies, screen position change and enlarged focus on key points throughout a presentation, advertising campaign or standing information.

*For the picture-in-picture screen mode, only the main screen can enlarge images.



Seamless Switch Function

Instantly switches two input signals

Normally plasma monitor needs time to switch inputs due to input signal processing delay, but because NEC PlasmaSync™ displays have two signal processing circuits the speed for switching input signals has been dramatically improved.



SPECIFICATIONS

2005 Commercial Model

	STANDARD DEFINITION	HIGH DEFINITION		
	PX-42VM5H / PX-42VP5H	PX-42XM4	PX-50XM5	PX-61XM4
Screen Size	921 (H) x 518 (V) mm	921.6 (H) x 515.3 (V) mm	1106 (H) x 622 (V) mm	1351 (H) x 760 (V) mm
Diagonal	42" (1057 mm)	42" (1056 mm)	50" (1270 mm)	61" (1550 mm)
Front Filter Type	PX-42VM5H (Anti-Reflective) / PX-42VP5H (Anti-Glare)		Anti-Reflective	
Aspect Ratio	16:9			
Resolution	853 (H) x 480 (V) pixels	1024 (H) x 768 (V) pixels	1365 (H) x 768 (V) mm	1365 (H) x 768 (V) mm
Pixel Pitch	1.08 (H) x 1.08 (V) mm	0.900 (H) x 0.671 (V) mm	0.81 (H) x 0.81 (V) mm	0.99 (H) x 0.99 (V) mm
Pixel Arrangement	RGB Vertical Stripe			
Colour Processing	68.7 Billion, 4,096 steps (12 bit)			
Signals Synchronisation Range	Horizontal: 15.5 to 110kHz (automatic: step scan) Vertical: 50 to 120Hz (automatic: step scan)			
Input Signals / Colour System	RGB, NTSC (3.58 / 4.43), PAL (B, G, M, N), PAL 60, SECAM, HD*, DVD*, DTV*, PC**			
RGB	RGB 1 (PC) (Analog): Mini D-Sub 15-pin x 1			
	RGB 2 (Analog): BNC (R, G, B, H/CS, V) x 1**			
	RGB 3 (Digital): DVI-D 24-pin x 1**			
Video	Video 1: BNC (Composite Video) x 1			
	Video 2: RCA (Composite) x 1			
	Video 3: S-Video DIN 4-pin x 1			
DVD/HD/DTV	DVD 1 / HD 1: RCA (Y, PB[CB], PR[CR]) x 1**			
	DVD 2 / HD 2: BNC (Y, PB[CB], PR[CR]) x 1**			
	DVD 3 / HD 3: DVI-D 24 pin x 1**			
Audio	Stereo RCA x 3 (Selectable)			
Output Terminals	VIDEO 1 and RGB 1 can also be used as OUTPUT terminals			
Sound Output	8W + 8W at 6 Ohm		9W + 9W at 6 Ohm	
External Control	D-sub 9-pin x 1 (RS232C)			
Wired Remote Input Terminals	3P plug			
Wired Remote Output Terminals	3P plug			
Power Supply	AC 100 - 240V 50/60Hz			
Current Rating	4.5 A (Max)	4.5 A (Max)	7.6A (Max)	8.0A (Max)
Power Consumption	270 W (Typ)	285 W (Typ)	435W (Typ)	540W (Typ)
Dimensions (W x H x D)	1018 x 610 x 89 mm	1022 x 610 x 98 mm	1222 x 736 x 96 mm	1470 x 880 x 119 mm
Weight	28.5 kg	30 kg	44.5 kg	61.0kg
Environmental Considerations	Temperature: (Operating) 0°C to 40°C, (Storage) -10°C to 50°C			
	Humidity (no condensation): (Operating) 20% to 80%, (Storage) 10% to 90%			
	Altitude:(Operating) 0 to 2800m, (Storage) 0 to 3000m			
Front Panel User Controls	6 Keys: Input Select / Exit, Right / +, Left / -, Up, Down, Menu / Enter.			
Remote Controller Functions	(Type: RP-109)		(Type: RP-115)	
	Power on / Standby, Input Source Select, OSM Control, Volume Up		Power on, Standby, Video, DVD/HD, RGB/PC, Cursor (Up, Down, Left, Right,	
	/ Down, Cursor (Up, Down, Left, Right), Pointer, Zoom Up / Down,		Menu/Enter, Exit, Volume Up / Down, Mute, Pointer, Zoom +,-,	
	Mute, Wide, Display, Off Timer, Auto Adjust, ID Select, Clear		Wide, Display, Off Timer, Auto Adjust, Select / Freeze, Side by Side,	
OSM Functions	Picture: (Contrast / Brightness / Sharpness / Colour / Tint / Picture Mode / Noise Reduction / Colour Temperature / White Balance / Gamma / Low Tone / Colour Tune).		Same as 50XM5 / 60XM4 but no Low Tone Adjustment	
	Picture: (Contrast / Brightness / Sharpness / Colour / Tint / Picture Mode / Noise Reduction / Colour Temperature / White Balance / Gamma / Low Tone / Colour Tune).		Picture: (Contrast / Brightness / Sharpness / Colour / Tint / Picture Mode / Noise Reduction / Colour Temperature / White Balance / Gamma / Low Tone / Colour Tune).	
	Image Adjust: (Aspect Mode / V-Position / H-Position / V-Height / H-Width / Auto Picture / Fine Picture / Picture Adjust).			
	Option 1: (OSM / BNC Input / D-Sub Input / RGB Select / HD Select / Input Skip / All Reset).			
	Option 2: (Power Management / Cinema Mode / Long Life [PLE / Orbiter / Orbiter Set / Inverse / White			
	/ Screen Wiper / Soft Focus] / Gray Level / S1/S2, DVI Setup.		Screen Wiper / Soft Focus] / Gray Level / S1/S2 / Picture Size / DVI Setup.	
	Option 3: (Timer / Pwr. On Mode / Control Lock / IR Remote		Option 3: (Timer / Pwr. On Mode / Control Lock / IR Remote / Loop Out	
	/ Loop Out / ID Number / Video Wall [Divider / Position / Disp. Mode		/ Remote ID / ID Number / Video Wall [Divider / Position / Disp. Mode	
	/ Auto ID / Image Adjust / P. ON Delay / PLE Link / Timer]		/ Auto ID / Image Adjust / P. ON Delay / PLE Link / Timer].	
	Advanced OSM, Language: (English / German / French / Spanish		Option 4: (Sub Picture: (Sub. P. Detect / Display / Sub. P. Rate) / Zoom Nav	
/ Italian / Swedish / Chinese / Russian),		/ Picture Freeze / Seamless SW / Text Insert: (Input / Display / Sub. P. Rate)		
Advanced OSM, Language: (English / German / French / Spanish / Italian				
/ Swedish / Chinese / Russian / Greek / Portuguese / Turkish).				
Other Features	Colour System, ID Select.			
	Motion Compensated 3D Scan Converter: [NTSC, PAL, 480i, 576i, 525i, 625i, 1035i, 1080i]; 2-3 pull down Converter: [NTSC, 480i, 525i, 1035i, 1080i] (60Hz); 2-2 pull down Converter: (PAL: 576i, 625i, NTSC: 480i, 525i); Digital Zoom Function: (100 - 900% Selectable);			
	Video Wall 4-25 Multi Screen; Self Diagnosis (RS232); Image Burn		Video Wall 4-25 Multi Screen; Self Diagnosis (RS232); Image Burn	
	Reduction Tools: [PLE LOCK 1-3, INVERSE, WHITE, ORBITER		Reduction Tools: [PLE LOCK 1-3, INVERSE, WHITE, FLUID ORBITER	
	(Auto 1,2 / Manual), SCREEN WIPER, SOFT FOCUS];		(Auto 1,2 / Manual), SCREEN WIPER, SOFT FOCUS];	
	Colour Temperature select (High / Mid / Mid-Low / Low, User has 4 Memories); Control Lock: (Except power SW); Auto Picture; Input Skip;			
Colour Tune [R, G, B, Yellow, Magenta, Cyan]; Low Tone (3 Modes); Auto ID; Programmable Timer; Gamma Correction (4 Modes);				
Loop through interface; Plug and Play (DDC1, DDC2b, RGB3: DD2b only)				
Split Screen Function: Side by Side (6 Modes) / Picture in Picture (4 Positions, 4 Sizes)				
Accessories	Remote Control with two AAA batteries, Power Cable, Manual, Safety Metal Fixings, Ferrite Cores, Bands, Cable Clamps			
Regulations	Safety: IEC60950-1: 2001, EN60950-1:2001			
	EMC: EN55022:1998+A1:2000+A2:2003, EN55024:1994+A1:2001		EMC: EN55022:1998+A1:2000+A2:2003 class B, EN55024:1998+A1:	
	+A2:2003, EN61000-3-2:2000, EN61000-3-3:1995+A2:2001,		2001+A2:2003, EN61000-3-2:2000, EN61000-3-3:1995+A1:2001,	
AS/NZS CISPR22:2004 class A.		AS/NZS CISPR22:2004 class B.		

*1 - HD / DVD / DTV input signals supported on this system:

- 480P (60Hz)
- 525P (60Hz)
- 576P (50Hz)
- 625P (50Hz)
- 720P (60Hz)
- 720P (50Hz)
- 1080P (60Hz) except 42VGA
- 1080P (50Hz) except 42VGA
- 480i (60Hz)
- 525i (60Hz)
- 576i (50Hz)
- 625i (50Hz)
- 1035i (60Hz)
- 1080i (60Hz)
- 1080i (50Hz)
- 1080A/540P RCA/STB (60Hz)

*2 - The BNC Connectors are used as RGB/ Component/Scart 1/Scart 2/Video 1. Select one of them under "BNC Input settings"

*3 - Compatible with HDCP (EIA/CEA-861)

- 640 x 480P @ 59.94 / 60Hz
- 720 x 480P @ 59.94 / 60Hz
- 720 x 576i @ 50Hz
- 1280 x 720P @ 50Hz
- 720 [1440] x 576i @ 50Hz
- 1280 x 720P @ 59.94 / 60Hz
- 720 [1440] x 480i @ 59.94 / 60Hz
- 1920 x 1080i @ 59.94 / 60Hz
- 1920 x 1080i @ 50Hz

*4 - Supported PC Signals (see page 14).

(VGA, SVGA, XGA, SXGA, UXGA, W-VGA, W-XGA, W-SXGA, W-UXGA, MAC(Sync on green))

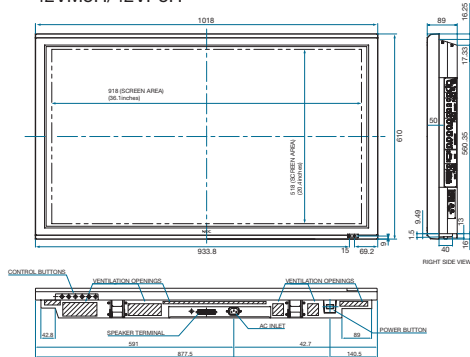
Note: In some cases a signal on the plasma monitor may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-Top box etc.) If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

■ ■ ■ ■ NEC PlasmaSync™

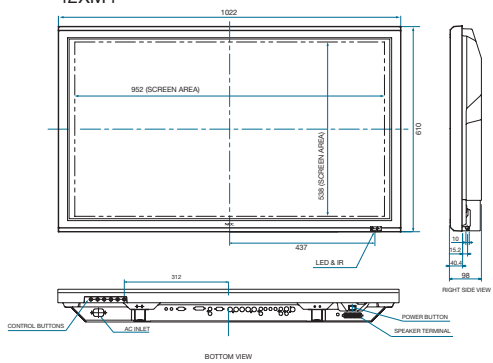
SPECIFICATIONS

2005 NEC PlasmaSync™ Range Dimensions

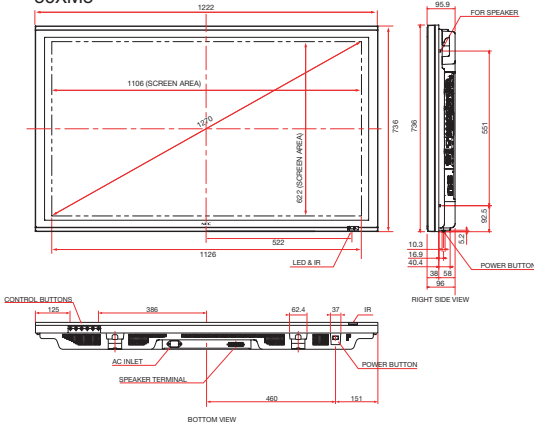
42VM5H/42VP5H



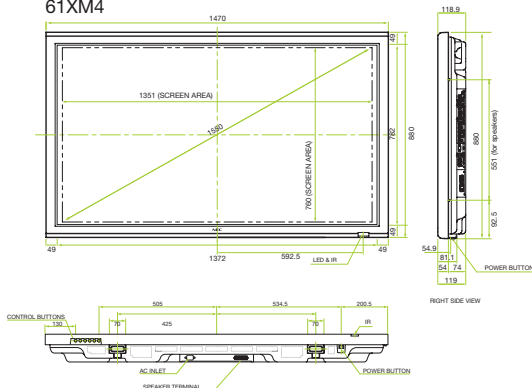
42XM4



50XM5








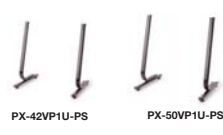






61XM4



OPTIONS COMPATIBILITY

2005 Commercial Model

Accessories	Product	Details	PLASMA MONITORS			
			42VP5H, 42VM5H	42XM4	50XM5	61XM4
Attachable Speakers 	PX-42SP1U	10-watt stand alone, or attach to monitor 90(W) x 610(H) x 89(D) mm (3.8kg, 2spkrs)	YES	YES	-	-
	PX-50SP1U	20-watt stand alone, or attach to monitor 90(W) x 736(H) x 96(D) mm (5.6kg, 2spkrs)	-	-	YES	-
	PX-61SP1U	20-watt stand alone, or attach to monitor 90(W) x 880(H) x 96(D) mm (6.4kg, 2spkrs)	-	-	-	YES
Stand 	PX-ST1U	For free standing installations 814(W) x 192(H) x 400(D) mm (3.2kg)	YES	YES	YES	-
	PX-61ST1U	For free standing installations 1125(W) x 205(H) x 430(D) mm (6.5kg)	-	-	-	YES
Wall Mount Unit Fixed 	PX-W2U	For wall mount installations (Horizontal) 730(W) x 565(H) x 45(D)mm	YES(0°)	YES(0°)	YES(0°)	-
	PX-W3U	For wall mount installations (Horizontal) 950(W) x 591(H) x 45(D) mm	-	-	YES(0°)	YES(0°)
		For wall mount installations (Vertical) 591(W) x 950(H) x 45(D) mm	-	-	YES(0°)	YES(0°)
Vertical Wall Mount Unit 	PX-42VP1U-VW	For portrait mode installations Vertical 595(W) x 998(H) x 52(D) mm	YES(0°)	YES(0°)	-	-
Tilt Mount Unit 	PX-T2U	Allows monitor tilt forward (Horizontal) 730(W) x 619(H) x 104(D) mm	YES (5°-25°)	YES (5°-25°)	YES (5°-25°)	-
	PX-T3U	Allows monitor tilt forward (Horizontal). 950(W) x 591(H) x 60(D) mm	-	-	YES (0°-30°)	YES (0°-30°)
		Allows monitor tilt forward (Vertical). 591(W) x 950(H) x 60(D) mm	-	-	YES (0°-10°)	YES (0°-5°)
Ceiling Mount Unit 	PX-C2U	Allows monitor tilt forward (Horizontal). 651(W) x 651(H) x 175(D) mm	YES (0°-30°)	YES (0°-30°)	YES (0°-30°)	-
	PX-C3U	Allows monitor tilt forward (Horizontal). 950(W) x 591(H) x 142(D) mm	-	-	YES (0°-30°)	YES (0°-30°)
		Allows monitor tilt forward (Vertical). 591(W) x 950(H) x 142(D) mm	-	-	YES (0°-10°)	YES (0°-5°)
Pole Unit Horizontal Pole Mount Unit 	PX-42M3U-P	Allows multiple monitors to be mounted on a pole unit (made to order) 254(W) x 2506(H) x 226.5(D) mm (16kg)	YES (0°, 10°)	YES (0°, 10°)	YES (0°, 10°)	-
	PX-42M3U-P-H	Attachments to this allow for Horizontal mounting 254(W) x 2506(H) x 226.5(D) mm (16kg)	YES (0°, 10°)	YES (0°, 10°)	YES (0°, 10°)	-
	PX-42M3U-P-V	Attachments to this allow for Vertical mounting 254(W) x 2506(H) x 226.5(D) mm (16kg)	YES (0°, 10°)	YES (0°, 10°)	YES (0°, 10°)	-
Slant Stand 	PX-42VP1U-PS	Set the monitor Horizontally on the floor 46(W) x 579(H) x 435(D) mm	YES(70°)	YES(70°)	-	-
		Set the monitor Vertically on the floor 46(W) x 579(H) x 435(D) mm	YES(70°)	YES(70°)	-	-
	PX-50VP1U-PS	Set the monitor Horizontally on the floor 46(W) x 877(H) x 557(D) mm	-	-	YES(70°)	-
		Set the monitor Vertically on the floor 46(W) x 877(H) x 557(D) mm	-	-	YES(70°)	-
Terminal Cover 	PX-CV2U	For concealing the terminal cabling 93.5(W) x 455(H) x 81(D) mm (0.32kg)	YES	YES	YES	YES
Multi Screen Mount Unit 	PX-42VP1U-MW	Need to order 4 units to build 2x2 multi screen (made to order) 998(W) x 595(H) x 145(D) mm (20.5kg)	YES	YES	YES	-
Multi Screen Support Unit 	PX-42VP1U-MW-S	Plinth for PX-42VP1U-MW (made to order) 998(W) x 595(H) x 110(D) mm (8kg)	YES	YES	YES	-
Tuners 	PX-TUAN-01	Analogue Tuner with Fast Text (10 page) 280(D) x 35(H) x 150(D) mm (1.3kg)	YES	YES	YES	YES
	PX-TUDI-01	Digital Tuner with Electronic Program Guide 280(D) x 35(H) x 150(D) mm (1.5kg)	YES	YES	YES	YES

SIGNAL COMPATIBILITY

2005 Commercial Model

Model	Signal Type	Dots x lines	Vertical frequency (Hz)	Horizontal frequency (kHz)	50XR5, 61XR4				42VP5H, 42VM5H, 42XM4		
					NORMAL (4:3)	TRUE (REAL)	FULL (16:9)	DIGITAL (RGB 3) (16:9)	NORMAL (4:3)	FULL (16:9)	DIGITAL (RGB 3) (16:9)
IBM CP/AT(*12) Compatible Computers	400 line	640 x 400	70.1	31.5	YES(*2)	YES	YES	YES	YES(*3, *4)	YES	YES
	VGA	640 x 480	59.9	31.5	YES	YES	YES	YES	YES(*4)	YES	YES
			72.8	37.9	YES	YES	YES	YES	YES(*4)	YES	YES
			75.0	37.5	YES	YES	YES	YES	YES(*4)	YES	YES
			85.0	43.3	YES	YES	YES	YES	YES(*4)	YES	YES
			100.4	51.1	YES	YES	YES	YES	YES(*4)	YES	YES
	120.4	61.3	YES	YES	YES	YES	YES(*4)	YES	YES		
	Wide-VGA	848 x 480	60.0	31.0	--	YES	YES	YES	--	YES(*4)	YES
	Wide-VGA	852 x 480 (*1)	60.0	31.7	--	YES	YES	YES	--	YES(*4)	YES
	SVGA	800 x 600	56.3	35.2	YES	YES	YES	YES	YES	YES	YES
			60.3	37.9	YES	YES	YES	YES	YES	YES	YES
			72.2	48.1	YES	YES	YES	YES	YES	YES	YES
			75.0	46.9	YES	YES	YES	YES	YES	YES	YES
			85.1	53.7	YES	YES	YES	YES	YES	YES	YES
			99.8	63.0	YES	YES	YES	YES	YES	YES	YES
			120.0	75.7	YES	YES	YES	YES	YES	YES	YES
	XGA	1024 x 768	60.0	48.4	YES(*9)	--	YES	YES	YES	YES(*5)	YES
			70.1	56.5	YES(*9)	--	YES	YES	YES	YES(*5)	YES
			75.0	60.0	YES(*9)	--	YES	YES	YES	YES(*5)	YES
			85.0	68.7	YES(*9)	--	YES	YES	YES	YES(*5)	YES
			100.6	80.5	YES(*9)	--	YES	YES	YES	YES(*5)	YES
	119.4	95.5	YES(*9)	--	YES	YES	YES	YES(*5)	YES		
	XGA	1152 x 864	75.0	67.5	YES	--	YES	YES	YES	YES	YES
	Wide-XGA	1280 x 768	56.2	45.1	--	--	YES	--	--	YES	--
			59.8	48.0	--	--	YES	YES	--	YES	YES
	Wide-XGA	1280 x 800(*13)	60.0	49.7	--	--	YES	YES	--	YES	YES
	Wide-XGA	1280 x 854(*13)	60.0	53.1	--	--	YES	YES	--	YES	YES
	Wide-XGA	1280 x 960	60.0	60.0	--	--	YES	YES	--	YES	YES
	Wide-XGA	1280 x 960	85.0	85.9	--	--	YES	YES	--	YES	YES
	Wide-XGA	1360 x 768	60.0	47.7	--	--	YES(*9)	--	--	YES	--
Wide-XGA	1360 x 768	60.0	47.7	--	--	YES(*9)	YES	--	YES	YES	
Wide-XGA	1376 x 768	59.9	48.3	--	--	YES	YES	--	YES	YES	
SXGA	1280 x 1024	60.0	64.0	YES(*8)	--	YES	YES	YES(*6)	YES	YES	
		75.0	80.0	YES(*8)	--	YES	YES	YES(*6)	YES	YES	
		85.0	91.1	YES(*8)	--	YES	YES	YES(*6)	YES	YES	
		100.1	108.5	YES(*8)	--	YES	--	YES(*6)	YES	--	
SXGA+	1400 x 1050	65.0	65.3	YES	--	YES	YES	YES	YES	YES	
		75.0	82.3	YES	--	YES	YES	YES	YES	YES	
		85.0	93.9	YES	--	YES	--	YES	YES	--	
Wide-SXGA	1680 x 1050(*13)	60.0	65.3	--	--	YES	YES	--	YES	YES	
UXGA	1600 x 1200	60.0	75.0	YES	--	YES	YES	YES	YES	YES	
		65.0	81.3	YES	--	YES	--	YES	YES	--	
		70.0	87.5	YES	--	YES	--	YES	YES	--	
		75.0	93.8	YES	--	YES	--	YES	YES	--	
		85.0	106.3	YES	--	YES	--	YES	YES	--	
Wide-UXGA	1920 x 1200(*13)	60.0	74.6	--	--	YES	--	--	YES	--	
Wide-UXGA	1920 x 1200 RB(*13)	60.0	74.0	--	--	YES	YES	--	YES	YES	
Apple Macintosh (*10, *12)	Mac13"	640 x 480	66.7	35.0	YES	YES	YES	--	YES(*4)	YES	--
	Mac16"	832 x 624	74.6	49.7	YES	YES	YES	--	YES	YES	--
	Mac19"	1024 x 768	74.9	60.2	YES(*9)	--	YES	--	YES	YES(*5)	--
	Mac 21"	1152 x 870	75.1	68.7	YES	--	YES	--	YES	YES	--
	Apple 17"	1440 x 900(*13)	60.0	56.0	--	--	YES	YES	--	YES	YES
Work Station (*12)	EWS4800	1280 x 1024	60.0	64.6	YES(*8)	--	YES	YES	YES(*6)	YES	YES
			71.2	75.1	YES(*8)	--	YES	YES	YES(*6)	YES	YES
	HP	1280 x 1024	72.0	78.1	YES(*8)	--	YES	YES	YES(*6)	YES	YES
			66.0	61.8	YES	--	YES	YES	YES	YES	YES
	SGI	1280 x 1024	76.1	81.1	YES(*8)	--	YES	YES	YES(*6)	YES	YES
			60.0	49.7	YES(*9)	--	YES	YES	YES	YES(*5)	YES
	IDC-3000G	PAL625P	768 X 576	50.0	31.4	YES(*11)	--	YES(*11)	--	YES(*11)	YES(*11)
NTSC525P				640 X 480	59.9	31.5	YES(*11)	--	YES(*11)	--	YES(*11)

*1 Only when using a graphic accelerator board that is capable of displaying 852 X 480.

*2 This signal is converted to a 1024 X 640 lines signal.

*3 PX-42XM4: This signal is converted to 768 x 640 line signal, PX-42VM5H: This signal is converted to a 640 dots X 400 lines signal.

*4 PX-42VM5H: The picture is displayed in the original resolutions. The picture will be compressed for other signals.

*5 PX-42XM4: The picture is displayed in the original resolutions. The picture will be compressed for other signals.

*6 PX-42VM5H: Aspect ratio is 5:4, the signal is converted to a 600 dots X 480 lines signal.

*7 PX-42XM4: Aspect ratio is 5:4, this signal is converted to a 720 dots X 768 lines signal.

*8 Aspect ratio is 5:4. This signal is converted to a 960 dots X 768 line signal.

*9 The picture is displayed in the original resolution.

*10 To connect the Macintosh computer, use the monitor adapter(D-Sub 15-pin) to your computer's video port

*11 Other screen modes [ZOOM and STADIUM] are available as well.

*12 When viewing a moving picture at a vertical frequency greater than 65Hz, the picture may sometimes be unstable (jumpy). If this occurs, please set the refresh rate of external equipment to 60Hz. To view 480i @ 60Hz [480 interlaced lines, 60Hz refresh rate] or 576i @ 50Hz [576 interlaced lines, 50Hz refresh rate] when sync polarity is "Sync on Green", set "RGB SELECT" to "MOTION".

*13 CVT standard compliant.

NOTE

• While the input signals comply with the resolution listed in the tables above, you may have to adjust the position and size of the picture or the fine picture because of errors in synchronization of your computer.

• When a 1280 dots X 1024 lines signal or 1600 dots X 1200 lines signal is input to the monitor, the picture will be compressed.

• The sync may be distributed when a non-standard signal other than the after mentioned is input.

• PX-61XM4 / PX-50XM5: This monitor has a resolution of 1365 dots X 768 lines. It is recommended that the input signal should be XGA, wide XGA, or equivalent.

• PX-42XM4: this monitor has a resolution of 1024 dots X 768 lines. It is recommended that the input signal should be XGA, or equivalent.

• PX-42VM5H: This monitor has a resolution of 853 dots X 480 lines. It is recommended that the input signal be VGA, wide VGA, or equivalent.

• With digital input some signals are not accepted.

• If you are connecting a composite sync signal, use the HD terminal.

What is HDCP/HDCP technology?

HDCP is an acronym for High-bandwidth Digital Content Protection. High bandwidth Digital Content Protection (HDCP) is a system for preventing illegal copying of video data sent over a Digital Visual Interface (DVI). If you are unable to view material via the DVI input, this does not necessarily mean the PDP is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community [Digital Content Protection, LLC].

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