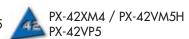
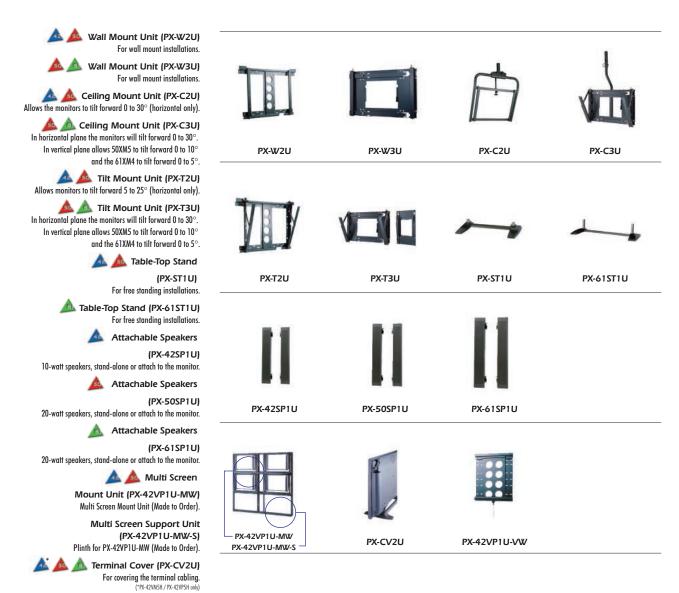
PlasmaSync Accessories Accessories Accessories







The PlasmaSync Accessory Range gives you the ultimate installation solutions for almost every environment, including vertical and angled situations.





The plasma display panel consists of fine picture elements (cells). Although NEC produces these elasma display panels with more than 99.99

A Vertical Wall Mount Unit

(PX-42VP1U-VW) For installing in portrait position

Empowered by Innovation





NEC **PlasmaSync** Range

Larger Thinner Clearer

The innovative enhancements mean the new PlasmaSync defines multimedia presentation displays and public displays.





As a result of our efforts to pursue high quality images in the practical imaging range, our PlasmaSync materializes the high colour expression with 4,096-step colour-processing, which is equivalent to 68.7 billion colours. NEC's state-of-the-art signal processing circuit Enhanced Digital AccuDevice delivers more advanced image processing capabilities, and the CCF (Capsulated Colour Filter) method reproduce vivid colours and pure white as well as accurate data. Various function for professionals, such as the Enhanced Split Screen function applied in all XGA models, and the Multi Screen Function, introduced in all models, will exhibit its superior performance on various occasions in the professional market.

■ ■ ■ NEC **PlasmaSync** models

PX-61XM4

- 61-inch Wide XGA Plasma
- 16:9 Aspect Ratio
- 1365 x 768 Pixel Resolution
- HD Compatible
- High Resolution PC Signal Compatibility
- 0.99mm(H) x 0.99mm(V) Pixel Pitch
- Enhanced Split Screen Functions
- Text Ticker Function
- 900% Smooth Digital Zoom
- Only 119mm Deep
- Only 61kg





■ ■ ■ NEC **PlasmaSync** models

- 50-inch Wide XGA Plasma
- 16:9 Aspect Ratio
- 1365 x 768 Pixel Resolution
- HD Compatible
- High Resolution PC Signal Compatibility
- 0.81mm(H) x 0.81mm(V) Pixel Pitch
- **■** Enhanced Split Screen Functions
- Text Ticker Function
- 900% Smooth Digital Zoom
- Only 96mm Deep
- Only 44.5kg

■ ■ ■ NEC **PlasmaSync** models PX-42XM4

42-inch Wide XGA Plasma

■ 16:9 Aspect Ratio

■ HD Compatible

Text Ticker Function

Only 98mm Deep

Only 30.0kg

900% Smooth Digital Zoom

Lowest Power Consumption 285W

■ ■ ■ NEC **PlasmaSync** models 42VM5H/42VP5H



- 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
- High Resolution PC Signal Compatibility
- 1.08mm(H) x 1.08mm(V) Pixel Pitch
- Only 89mm Deep
- Only 28.5kg
- Cool and Quiet Operation
- 900% Smooth Digital Zoom

■ ■ ■ NEC PlasmaSync

Fully digitized high-quality images

All image signals are fully digitized using NEC's state-of-the-art new signal-processing circuit, Enhanced Digital AccuDevice. High-definition progressive conversion produces comprehensive, high-quality images, and resolution conversion generates images with unmatched accuracy.

High-definition progressive expression

Progressive expression becomes more vivid. The Enhanced Mass Area Superior Sampling Technology renders smooth image expression without jagged edges and colour bleeding. Furthermore, the new Scan Converter dramatically improves character readability.

High capability for colour expression with 4,096 steps equivalent to 68.7 billion colours

The "Gamma-12" technology for precisely expressing details in dimly lit places achieves high colour expression with 4,096-step colour-processing, which is equivalent to 68.7 billion colours. With this rich, smooth gradation expression, images in dimly lit rooms can be reproduced with accuracy.

Vivid, breathtaking colours

The CCF (Capsulated Colour Filter) method and the AccuCrimson filter reproduce accurate, vivid colours and pure whites. The colour tuning function adjusts any single colour to enhance the overall display into a world of colours.

Functions for professionals

The timer function and the most numerous input/output interfaces in the industry are standard, as well as the capability to configure a Multi-Screen System with a maximum of 25 (5 x 5) screens. **Enhanced Sprit Screen Function** is provided for efficient support of your presentations.

HD Compatible

High-definition video is supported.

Outstanding connectivity of multiple interfaces

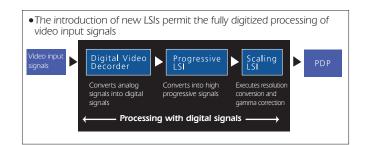
Rich varieties of IN/OUT terminals are available in the standard configuration.

Enhanced Digital AccuDevice



The Enhanced Digital AccuDevice prevents image deterioration and materializes crystal clear images with consistent fully-digitalized signal processing, as well as incorporating major advancements to the ESS (Enhanced Split Screen) function, which is an invaluable tool for a number of business applications.





High capability for colour expression with 4,096-step colour-processing equivalent to 68.7 billion colours

By introducing Gamma-12, rich and smooth expressions with 4,096-step colour-processing are achieved in the respective colours of R, G, and B to provide the industry's highest capability for color expression equivalent to 68.7 billion colours in the dark portion. The expression reproduces accurate, more faithful details.



■ ■ ■ NEC PlasmaSync

Enhanced Motion Adaptive 3D Scan Conversion



By introducing a new algorithm, performance of the Motion Adaptive 3D Conversion has been improved. In the ordinary process, interpolation errors occurred when fast-moving images were displayed partially as a static image or with less motion. With the new algorithm, the problems are eliminated.







Improved - no error lines

Current - interpolation error lines

Enhanced Mass Area Superior Sampling



Enhanced Mass Area Superior Sampling has materialized clearer edge definition, which means that there is more accurate reproduction of acute diagonal lines with smoother contours.







Error Free Pull-Down Detection and Processing

NEW

The newly Error Free Pull-Down Detection and Processing which uses a new algorithm, detects bad editing sources which creates significant horizontal line noises on your picture and provides measures eliminating this noise to create a clear and perfect picture.

Multi-Field Noise Reduction



NEW signal processing techniques in PlasmaSync products advanced Multi-Field Noise Reduction tools which are able to achieve a significant improvement in the projected screen image quality by detecting and filtering all unwanted multi-field noise patterns.

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.



Current - visible jaggies



New scaling - smoother image

TECHNOLOGY

Applied in PX-61XM4, PX-50XM5, PX-42VM5H and PX-42VP5H

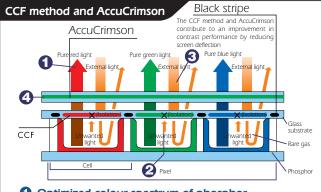
Crystal Clear Panel (PX-42XM4)

NEW

With a combination of a new structure in the 42" XGA NEC PlasmaSync panel (Crystal Clear Panel) and effects from the Crystal Clear Drive, its luminous efficiency has been improved as materializing high brightness and low power consumption. Furthermore, outstandingly high contrast surpassing others in the real world has also been achieved.

The CCF method, a unique NEC technology, and black stripes reproduce vivid, accurate colour* 1

With the CCF (Capsulated Colour Filter) method, each pixel is capsulated and embedded with color filters for the three primary colours (RGB); the results are that the red, blue, and green colors are reproduced more accurately. By providing black stripes on the barriers between cells, a sharp black colour is also expressed. By employing NEC's unique technology, vivid colours are reproduced and a pure white color is expressed to reduce screen deflection.



Optimized colour spectrum of phosphor

The CCF improves the purity of colors by filtering the three primary colors (RGB).

2 Removal of unwanted light

3 Reduced screen deflection

The CCF and the black stripes reduce screen deflection to produce a high contrast ratio under bright conditions.

4 Optimized red color

The CCF suppresses the wavelength of the orange colour included in red to reproduce a pure red color.

Four kinds of Colour temperature setting modes are available

The colour temperature setting adjusts the tone of the white colour. Four preset modes and a professional mode for advanced adjustments are provided for setting the colour temperature according to the purpose or preference.

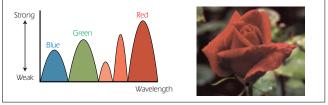


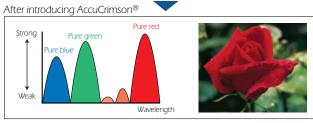
Black stripe Crystal clear layer New grid barrier Red phosphor Green phosphor Blue phosphor Bus electrode

AccuCrimson reproduces accurate red colour*1

AccuCrimson, employed in the front filter, is a technology for attenuating the orange colour included in the wavelength for red, which is particular to the plasma display. AccuCrimson clearly expresses the delicate difference between cinnabar and red colours and reproduces natural skin tones—tasks which are difficult with ordinary plasma displays. (Advanced AccuCrimson with equivalent effects to the CCF method is applied to the PX-42XM4.)

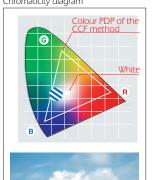
Before introducing AccuCrimson

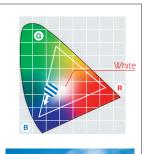




The Colour Tuning Function adjusts specific colours

The **Colour Tuning Function** adjusts specific colours, such as red, blue, or green, individually without influencing the white balance. Since the white balance remains stable, specific colours can be adjusted depending on the video source or the purpose of use. For instance, deepen the blue colour of the sea or the green color of leaves.









■ ■ ■ NEC **PlasmaSync**

FUNCTIONS

Functions for Professionals.

Programmable Timer function

This function is for setting the time not only for turning the display on/off but also for switching between image sources and the screen orbiter function. Scheduled operations can be registered and executed with the plasma monitor solely without using external controls such as a PC. It is also significantly effective for switching images in the Enhanced Split Screen mode.

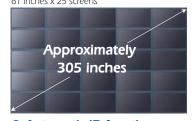


A Multi-Screen System can be configured with a maximum of 25 screens

Configure a Multi-Screen System with up to 25 screens. With the built-in zoom function, multi-screen systems of 25, 16, 9, and 4 screens can be configured. Versatile support functions significantly improve the efficiency of the settings required when the system is configured.

* If signals deteriorate when the loop-through function is used, a splitter is recommended.

61 inches v 25 screens





Automatic ID function

In contrast with an ordinary system where IDs must be individually set through a remote controller for the respective displays comprising a multi-system, IDs are set automatically by connecting the respective display sets with wired cables (option) and setting the ID with the OSD function.

* Up to 9 screens

Power-on delay

In order to reduce the load on the power supply, the power-on delay inserts a time delay when multiple displays of a multi-screen system are turned on.

* Up to 25 screens

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 each other. With this function, easy-to-see, vivid video images with uniform brightness are displayed.

* Up to 9 screens



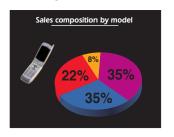


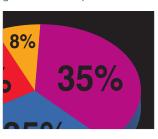
Reduced image retention with six modes

If the same image is displayed on the screen for several hours, colors of the displayed image may change. The PlasmaSync has six long life modes (1: PLE Lock, 2: Reverse, 3: White, 4: Orbiter, 5: Screen wiper, 6: Soft focus) to reduce this phenomenon. Implement the appropriate measures depending on the occasion. For the Orbiter mode, the fluid Orbiter with smooth movement is applied. (Occurrence of this phenomenon is out of the scope of the quarantee.)

Digital Zoom function of 900% with 4032 patterns

This function enlarges any portion of the screen at 63 points by remote control. Size of images can be adjusted smoothly and precisely and enlarged up to 900% of the original with 64 steps.





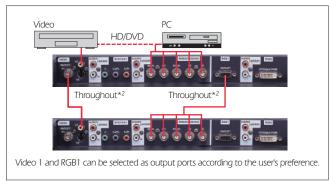
Vertical Installations

The PlasmaSync can be installed in portrait orientation for convenient display of advertising materials or when space is limited.



Outstanding connectivity of multiple interfaces

The PlasmaSync ports support a variety of devices, including DVD, Hi Vision, Video, and PCs. The DVI ports also support HDCP, the next generation digital interface standard. Furthermore, the loop-out function for both video and PC is also employed.



Other Features

- IR Remote ID Function NEW
- Monitor ID Function
- Multi-Screen Repeat Timer
- Power Management
- Power On Mode
- Capability for bundling PC boxes
- External control with RS232C
- Remote Self Diagnosis via RS232C
- Long life panel of 60,000 hours

*60,000 hour panel life is an approximate time for the display panel to reach half of it's original brightness. The panel life is based on motion video as the input source and all display settings at factory default. The time given does not imply any warranty beyond the products standard warranty.

Enhanced Split Screen*2

*2 Applied in PX-61XM4, PX-50XM5 and PX-42XM4

Picture-In-Picture Function







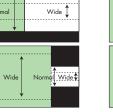
Available in two screen modes-Picture-in-Picture and Side-by-Side

Since input signals from any system can be displayed together, provide appealing visual expressions by combining images from two personal computers or the images from a PC and video signals. Two screen modes Picture-in-Picture and Side-by-Side – are available and both have several display methods. Enhanced Split **Screen** has new functions for efficient use in business and educational presentations; informational and advertising displays for transport facilities, financial institutions, and commercial facilities; and remote video conference systems.

A full range of new functions for a variety of business needs

• New Side-by-Side

• New Picture-in-Picture





Side-By-Side Function

Side-By-Side Screen Mode for electronic advertisements and informational displays

The side-by-side screen mode demonstrates its ability to deliver an appealing display of information by evolving two different images, such as "text + image", on the screen at the same time. Three aspect ratio patterns can be selected for optimum screen display with the simple operation of a cursor key on the remote control unit. In addition, one screen can display scrolling text while the other screen maintains a 4:3 display ratio when the monitor is installed vertically. Depending on the use or purpose, expand the variety of content expressions through combinations of images and text or time varying images and text data. Propose new applications as information displays in restaurants or hotels and advertisement displays in stores or showrooms

(*Please note that the vertical display needs to arrange the content vertically.)







You can choose one of three patterns for the horizontal aspect ratio.

Digital Zoom Function enlarges both the main and sub screens up to 900%

In the side-by-side screen mode, both screens can enlarge images up to 900% by 63 points in 64 steps.

With Enhanced Digital AccuDevice, very high-definition quality can be maintained even when the image is enlarged. Information with extremely high visibility can be displayed. Comparison studies during presentations can be made by enlarging each screen and changing the position of the enlarged images with a cursor key. (*For the picture-in-picture screen mode, only the main screen can enlarge images.)





Variable Sub Picture Transparency

NEW

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, dependent on the most appropriate level compared with the images being displayed on the main picture. Anything from 100% to 20% can be selected, with adjustment 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, this will be entirely dependent on the specific requirements for the slide show, presentation, etc.

Sub Picture Detect Function

This function automatically turns off the display of the sub screen if input signals for the sub screen are interrupted and restores it automatically when signals for the sub screen are input again. This is effective for the picture-in-picture screen mode. Since it is not necessary to turn both screens on/off, control of the two screens is simplified, so you can concentrate on the presentation or lecture







When input signals for the sub screen are interrupted, the display will shift to the single screen mode.

When signals for the sub screen are input again, the sub screen is restored.

Picture Freeze Function

Store a page of data displayed on the main screen on the clipboard memory and display the page on the sub screen. When scrolling several images continuously during a presentation, this function effectively compares the two images displayed separately.

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



1st screen (previous

Seamless Switch Function

Seamless Switch Function allows switching two selected signals very quickly.

Text Ticker Function

This function superimposes text on images by using PC applications. This useful tool, which also incorporates the adjustable transparency of the text ticker function (100% to 20%), allows text to be displayed in one quarter of the vertical height by one horizontal length sections.

Selectable from 4 screen positions



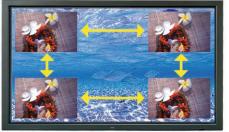
Zoom Navigation Function

Display an entire image on the sub screen, and display the enlargement on the main screen. The position enlarged in the main screen is indicated with a + symbol on the sub screen. This function is effective for enlarging an important point or a detailed drawing of a map or CAD data then confirming the entire image and the point being enlarged. (* This is available in the side-by-side screen mode as well.)



Sub Screen Moving Function

Sub Screen can be moved into any one of four positions on the new PlasmaSync 61XM4 and 50XM5. Important information on the main screen may be hidden by the sub screen on an ordinary monitor. Since the sub screen can be moved more flexibly on the new monitor, important information on the main screen is always displayed.



The sub screen moves to any one of four positions on the display.

SIGNAL COMPATIBILIT

A PX-42VM5H / PX-42VP5H

640x400

848x480 852x480^{*1)} 800x600

1024x768

1152x864

1280x800

1360x765

1376x768

1680x1050*8

1920x1200*8 640x480

024x768 1440x900^{*8}

1280x1024

152x900

1024x768 1280x1024 AL625P 768x576

Apple Macintosh*5)*7)

Work

IDC-3000G

FWS4800

IBM PC/AT*7)

compatible

Dots x lines

(kHz)

85.0 43.3

59.8 48.0 69.8*8) 56.0*8) 60.0 49.7

60.0 43.7 60.0 53.1 60.0 47.7

59.9 48.3

66.7 35.0

74.6 49.7 74.9 60.2

60.0 56.0

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

*2 PX-42VMSH: This signal is converted to a 640 dots X 400 lines signal.

*3 PX-42VMSH: The picture is displayed in the original resolution. The picture will be compressed for other signals.

*4 PX-42VMSH: Aspect ratios is 54. This signal is converted to a 600 dots X 480 lines signal.

*5 To connect the Macinitosh computer, use the monitor adapter (IP-Sub 15-pin) to your computer's video port.

*6 Other screen modes (200M and \$TADIUM) are available as well.

*7 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 480(@60Hz (480 interlaced lines, 60Hz refresh rate) or \$76(@50Hz [576 interlaced lines, 50Hz refresh rate) when sync polanity is "Sync on Green", set "RGB SELECT" to "MOTION".

*8 CVT standard compliant.

■PX-61XM4

1351(53.2)









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SGI 1024x768 60.0 49.7 YES ⁻³ YES ⁻⁴ YES 1280x1024 60.0 63.9 YES ⁻⁵ YES YES 1DC 2000G PAL625P 768x576 50.0 31.4 YES ⁻⁷) YES ⁻⁷) NO						YES			
1280×1024 60.0 63.9 YES ⁽⁵⁾ YES						YES 5)		YES	
IDC 2000G PAL625P 768x576 50.0 31.4 YES*7) YES*7) NO		SGI						YES 4)	
IDC-3000G		D				YES ⁻⁵⁾			
NTSC525P 640x480	IDC-3000G					YES ⁻⁷⁾		YES ⁻⁷⁾	
		NTSC525P	640x480	59.9	31.5	YES ⁻⁷⁾		YES ⁻⁷⁾	NO

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

 *2 PX-420M4: This signal is converted to a 768 dots X 640 lines signal.

 PX-61XM4PX-50XM5: This signal is converted to a 1024 dots X 640 lines signal.

 *3 The picture is displayed in the original resolution. The picture will be compressed for other signals.

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

 *5 PX-42XM4: Aspect ratio is 54. This signal is converted to a 960 dots X 768 lines signal.

 PX-61XM4PX-50XM5: Aspect ratio is 54. This signal is converted to a 960 dots X 768 lines signal.

 PX-61XM4PX-50XM5: Aspect ratio is 54. This signal is converted to a 960 dots X 768 lines signal.

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

 *7 Other screen modes (ZOOM and STADIUM) are available as well.

 *8 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 480\(\tilde{0}\)60Hz (480 interfaced lines, 60Hz refresh rate) of 576\(\tilde{0}\)50Hz (576 interfaced lines, 50Hz refresh rate) when sync polarity is Sync on Green', set "RGB SELECT" to "MOTION".

- NOTE:
 •While the input signals comply with the resolution listed in the table above, you may have to adjust the position and size of the picture or the fine picture because

- •While the input signals comply with the resolution listed in the table above, you may have to adjust the position and size of the picture of 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 disturbed when a nonstandard signal other than the aforementioned 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-42XM5: This monitor has a resolution of 1024 dots X 768 lines. It is recommended that the input signal should be XGA or equivalent.

 •PX-42XM5: This monitor has a resolution of 853 dots X 480 lines. It is recommended that the input signal should 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 acrorym 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 neccessarily 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).
- "IBM PC/AT" and "XGA" are registered trademarks of International Business Machines, Inc. of the United States.
 "Apple Macintosh" is a registered trademark of Apple Computer, Inc. of the United States.

FULL

YES

59.9 31.5 YES^{*3} YES YES 72.8 37.9 YES^{*3} YES YES

120.4 61.3 YES*3) YES YES

56.3 35.2 YES YES YES 60.3 37.9 YES YES YES

72.2 48.1 YES YES YES
75.0 46.9 YES YES YES
85.1 53.7 YES YES YES
99.8 63.0 YES YES YES
99.8 FINANCIAL YES YES YES

| 100.1 | 108.5 | YES " YES NO | 60.0 | 65.3 | -- | YES YES | YES | 60.0 | 75.0 | YES | YES | YES | 65.0 | 81.3 | YES | YES | NO | 70.0 | 87.5 | YES | YES | NO | 75.0 | 93.8 | YES | YES | NO | 85.0 | 106.3 | YES | YES | NO | 60.0 | 74.6 | -- | YES | NO | 60.0 | 74.0 | -- | YES | NO | 60.0 | 74.0 | -- | YES | NO | 66.7 | 35.0 | YES" | YES | NO | YES | YES | YES | YES | NO | YES |

60.0 56.0 -- YES YES 60.0 64.6 YES^{'4)} YES YES 71.2 75.1 YES^{'4)} YES YES 72.0 78.1 YES^{'4)} YES YES 66.0 61.8 YES YES YES

76.0 71.7 YES YES YES YES
76.1 81.1 YES'4) YES YES
60.0 49.7 YES YES YES
60.0 63.9 YES'4) YES YES
50.0 31.4 YES'6) YES'6) NO
59.9 31.5 YES'6) YES'6) NO

1470(57.9")

YES YES NO
YES YES NO
YES YES NO
-- YES YES YES

YES YES

YES NO

■ ■ ■ NEC PlasmaSync

SPECIFICATIONS

PX-61XM4



PX-50XM5





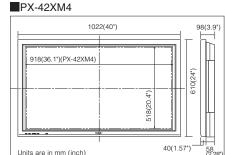
PX-42VM5H / PX-42VP5H

	TA-OTAM4	I A SOAMS	1 X-42XIVI4	1X-42VMSH7 1X-42VI					
	PX-61XM4W	PX-50XM5W	PX-42XM4W	PX-42VM5HW / PX-42VP5HW					
Screen Size	1351 (H) x 760 (V) mm 53.2"(H) x 29.9"(V) inches diagonal 61"	1106 (H) x 622 (V) mm 43.5"(H) x 24.5"(V) inches diagonal 50 *	922 (H) x 515 (V) mm 36.1*(H) x 20.4*(V) inches diagonal 42*	921(H) x 518 (V) mm 36.3'(H) x 20.4'(V) inches diagonal 42" 42VM5WH:Installed AR (Anti-Reflection) Fitte 42VP5WH:Installed AG (Anti-Glare) Fitter					
Aspect Ratio	16:9			'					
Resolution	1365 (H) x 768 (V) pixels		1024 (H) x 768 (V) pixels	853 (H) x 480 (V) pixels					
Pixel Pitch	0.99(H)x0.99(V)mm 0.039"(H)x0.039"(V)inches	0.81 (H) x 0.81 (V)mm 0.032"(H) x 0.032"(V)inches	0.897 (H) x 0.675 (V)mm 0.035"(H) x 0.027"(V)inches	1.08 (H) x 1.08 (V)mm 0.04"(H) x 0.04"(V)inches					
Colour Processing	4,096 steps, 68.7 billion colors								
Signals Synchronization Range	Horizontal: 15.5 to 110 kHz (automatic: step	scan) Vertical: 50.0 to 120.0 Hz (automatic: s	tep scan)						
Input Signals	RGB, NTSC (3.58 / 4.43), PAL(B, G, M, N), P	AL60, SECAM, HD*1, DVD*1, DTV*1							
Input Terminals	VIDEO1 and RGB1 can also be used as OUTPUT terminals								
RGB	RGB 1 (Analog) mini D-sub 15-pin x 1 RGB 2 (Analog) BNC (R, G, B, H/CS, V)x 1*3 RGB 3 (Digital) DVI-D 24-pin x 1*4								
Video	Video 1 BNC x 1 Video 2 RCA-pin x 1 Video 3 S-Video: DIN 4-pin x 1								
DVD/HD/DTV	DVD 1/HD 1 RCA-pin (Y, PB[CB], PR[CR]) x 1*1 DVD 2/ HD 2 BNC (Y, PB[CB], PR[CR])x 1*143 DVD 3/ HD 3 DVI-D 24-pin x 1*4								
Audio	Stereo RCA x 3 (Selectable)								
External Control	D-sub 9-pin x 1 (RS-232C)								
Sound Output	9W+9W at 6 ohm		8W+8W at 6 ohm						
Power Supply	AC100-240V 50/60Hz								
Current Rating	8.0A (maximum)	7.6A (maximum)	4.5A (maximum)	4.5A (maximum)					
Power Consumption	540W (typical)	435W (typical)	285W (typical)	270W (typical)					
Dimensions	1470 (W) x 880 (H) x 119 (D) mm 57.9 (W) x 34.7 (H) x 4.7 (D) inches	1222 (W) x 736 (H) x 96 (D) mm 48.1 (W) x 30 (H) x 3.8 (D) inches	1022 (W) x 610 (H) x 98 (D) mm 40.2 (W) x 24 (H) x 3.9 (D) inches	1018 (W) x 610 (H) x 89 (D) mm 40 (W) x 24 (H) x 3.5 (D) inches					
Weight	61.0kg / 134.5 lbs (without stand)	44kg / 97 lbs (without stand)	30.0kg / 66.1 lbs (without stand)	28.5kg / 62.8 lbs (without stand)					
Environmental Considerations	Humidity 20 to 80% (no condensa Altitude 0 to 2800 m / 0 to 9180 fer Storage Temperature -10°c to 50°c / 14°F to 12 Humidity 10 to 90% (no condensa Altitude 0 to 3000 m / 0 to 9840 fer	et 2°F tion)							
Front Panel User Controls	Power on / off, Input source select, Volume	up / down/ OSM control							
Remote Control Function	PX-61XM4 / PX-50XM5 (RP-114) Power on / Stand By, Input source select, OSM control, Volume up / down, Cursor (UP, Down, Left, Right), Pointer, Zoom up / down, Mute, Wide, Display, Off timer, Auto adjust, ID select, Clear, Side by side, Picture in picture, Single, Select / Freeze PX-42XM4 (RP-115) / PX-42VM5H / PX-42VP5H (RP-109) Power on / Stand By, Input source select, OSM control, Volume up / down, Cursor (UP, Down, Left, Right), Pointer, Zoom up / down, Mute, Wide, Display, Off timer, Auto adjust, ID select, Clear, Side by side, Picture in picture, Single, Select / Freeze								
OSM Functions	PX-61XM4 / PX-50XM5 / PX-42XM4 Picture (Contrast / Brightness / Sharpness / Colour / Tint / Picture mode / Noise reduction / Colour temperature / White balance / Gamma / Low tone*2 / Colour Tune), Audio (Bass / Treble / Balance / Audio input), Image Adjust (Aspect Mode / V-Position / H-Position / V-Height / H-Width / Auto Picture / Fine picture / Picture adjustment), Option 1 (OSM / BNC Input / D-Sub Input / RGB Select / Input Skip / All reset), Option 2 (Power management / Cinema mode / Long life[PLE, Orbiter, Inverse, White, Screen wiper, Soft focus] / Gray level / S1/S2 / Picture size / DVI Set up), Option 3 (Timer / Power on mode / Control lock / IR Remote / Loop out / ID number / Video wall[Divider, Position, Disp. mode, Auto ID, Image adjust, Power on delay, PLE link, Timer]), Option 4 (Sub.P detect / Zoom nav / Pic freeze / Seamless SW), Advanced OSM, Language*, Colour system, Source information *English, German, French, Italian, Spanish, Swedish, Chinese, Russian *PX-42VM5H / PX-42VP5H *Picture (Contrast / Brightness / Sharpness / Colour / Tint / Picture mode / Noise reduction / Colour temperature / White balance / Gamma / Low tone / Colour Tune), Audio (Bass / Treble / Balance / Audio input), Image Adjust (Aspect Mode / V-Position / H-Position / V-Height / H-Width / Auto Picture / Fine picture / Picture adjustment), Option 1 (OSM / BNC Input / D-Sub / Input Skip / All reset), Option 2 (Power management / Cinema mode / Long life[PLE, Orbiter, Inverse, White, Screen wiper, Soft focus] / Gray level / S1/S2 / DVI Set up), Option 3 (Timer / Power on mode / Control lock / IR Remote / Loop out / ID number / Video wall[Divider, Position, Disp. mode, Auto ID, Image adjust, Power on delay, PLE link, Timer]), Advanced OSM, Language*, Colour system, Source information *English, German, French, Italian, Spanish, Swedish, Chinese, Russian								
Other Features	PX-61XM4 / PX-50XM5 / PX-42XM4 Motion compensated 3D Scan Converter: (NTSC, PAL, 4801, 5761, 5251, 6251, 10351, 10801), 2-3 pull down Converter: (NTSC, 4801, 5251, 10351, 10801 (60Hz)), 2-2 pull down Converter: (PAL, 5761, 6251, NTSC, 4801, 5251), Digital Zoom Function: (100-900% Selectable), Video Wall 4-25multi screen, Self Diagnosis, Image Burn reduction tools: (PLE LOCK1-3, INVERSE, WHITE, ORBITER (Auto1.2 / 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, Low Tone (3 mode), Auto ID, Programmable Timer, Gamma Correction (4 modes), Loop through interface, Plug and play (DDC1, DDC2b, RGB3: DDC2b only), Split screen operations, Sub picture detect, Picture freeze, Seamless switch, Zoom navigatuon PX-42VMSH / PX-42VPSH Motion compensated 3D Scan Converter: (NTSC, PAL, 4801, 5761, 5251, 6251, 10351, 10801), 2-3 pull down Converter: (NTSC, 4801, 5251, 10351, 10801 (60Hz)), 2-2 pull down Converter: (PAL, 5761, 6251, NTSC, 4801, 5251), Digital Zoom Function: (100-900% Selectable), Video Wall 4-25multi screen, Self Diagnosis, Image Burn reduction tools: (PLE LOCK1-3, INVERSE, WHITE, ORBITER (Auto1.2 / Manual), SCREEN WIPER, SOFT FOCUS), Colour Temperature select (high / mid / mid low / low, user has 4 memories), Control lock: (Except power SW), Auto Picture, Inverse, Well Temperature select (high / mid / mid low / low, user has 4 memories). Docton lock: (Except power SW), Auto Picture, Inverse, Well Temperature select (high / mid / mid low / low, user has 4 memories). Docton lock: (Except power SW), Auto Picture, Inverse, Well Temperature select (high / mid / mid low / low, user has 4 memories). Docton lock: (Except power SW), Auto Picture, Inverse, Inv								
Accessories	Remote control with two AAA batteries, Power code, Users Manual, Ferrite cores, Bands, Cable clamps								
Regulations	Meets EMC Directive (EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3) Meets Low Voltage Directive (EN60950, IEC60950, SEMKO Approved) Meets AS / NZS CISPR 22:2002 Class B								
1 HD/DVD/DTV input signa 480P(60Hz) 480I(60Hz) 525P(60Hz) 525I(60Hz) 576P(50Hz) 576I(50Hz) 625P(50Hz) 625I(50Hz) 720P(60Hz) 1035I(60Hz) 1080I(50Hz) 1080I(60Hz) 2 Applied in PX-61XM4/PX-	als supported on this system	patible with HDCP (EDID). ed Signals 30P @59,94/60Hz •1920x1080I @50Hz 720P @59,94/60Hz •120x576P @50Hz 1080I @59,94/60Hz 20)x480I @59,94/60Hz 20)x480I @59,94/60Hz some cases a signal on the plasma monitor may not be		nd specifications may be subject to change without notice					

1080||50H2|1080||60H2| *2 Applied in PX-61XM4/PX-50XM5. *3 The 5-BNC connectors are used as RGB/PC2 and HD/DVD2 input. Select one of them under "BNC INPUT".

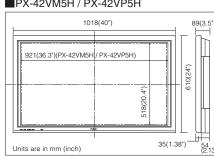
1222(48.1") 96(3.8" 1106(43.5")

38(1,5")



Net 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.

■PX-42VM5H / PX-42VP5H



PX-50XM5

119(4.7")

