









PX-42VM5 / PX-42VP5 / PX-42XM3













# The New PlasmaSync integrates the most advanced technologies into 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 highest colour expression in the industry with 4,096 steps, which is equivalent to 68,7 billion colours. NEC's unique signal processing circuit Digital AccuDevice and the CCF (Capsulated Colour Filter) method reproduce vivid colours and pure white as well as accurate data. Various functions for professionals, such as the Enhanced Split Screen function applied in the 61-inch and 50-inch monitors, and the enhanced Multi Screen function, introduced in all models, will exhibit its superior performance on various occasions, including conferences and presentations in offices or educational sites, electronic advertising displays and data displays in transport facilities, banks, security trading, and shops etc.

#### Fully digitized high-quality images

All image signals are fully digitized using NEC's unique new signal-processing circuit, 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 Mass Area Superior Sampling Technology renders smooth image expression without jagged edges and colour bleeding. Furthermore, the new Scan Converter dramatically improves character readability.

# The highest capability for colour expression in the industry with 4,096 steps equivalent to 68.7 billion colours

The "Gamma-12" technology for precisely expressing details in dimly lit places achieves the highest colour expression in the industry with 4096 gradation steps, which is equivalent to 68.7 billion colours. With this rich, smooth gradation expression, images in dimly lit rooms can be reproduced with accuracy. (As of July 2004)



#### 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.

# The highest ranking in the industry for contrast ratio in bright conditions

The new plasma display panel features the PX-50XM4 and PX-42XM3 monitors. They achieve the industry's highest contrast ratio of 200:1 for bright conditions. High brightness is achieved in the practical imaging range and reduces power consumption. (As of

#### 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. The double screen function is provided in the 50-inch and 61-inch monitors for efficient support of your presentations.

#### Long life panel

A panel lifetime of 60,000 hours has been achieved for all models.



## Fully digitized high-quality images elude all attempts

video input signals

In pursuit of greater beauty

#### Digital AccuDevice, the unique signal-processing circuit developed by NEC

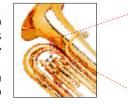


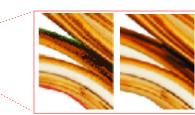
Digital AccuDevice generates advanced vividness using a fully digitized signal-processing circuit. LSIs packaged on the circuit are integrated into three circuits to achieve the full digital sampling of all input signals without any omissions. Furthermore, all processing steps for video input

signals are fully digitized. Since there is no analog conversion process involved and original video images can be processed digitally as they are, there is no deterioration of the signal, and the high-definition progressive expression and clear resolution conversion suppress noise and produce breathtaking images.

Mass Area Superior Sampling Technology achieves high-definition progressive expression

All input signals are displayed using progressive expression. In ordinary processing, interlaced signals are converted into progressive signals, and the sampling of interpolation lines are processed on the basis of brightness signals. With the newly developed Mass Area Superior Sampling Technology, color signals are sampled and interpolated together with the brightness signals. The new technology produces sharp expression without jagged edges or colour bleeding.





• The introduction of new LSIs permit the fully digitized processing of

Processing with digital signals -

PlasmaSvnc Ordinary expression



#### Insatiable desire for vivid colour reproduction

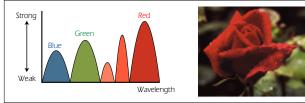
#### The highest contrast ratio in the industry at 200:1 under bright conditions

PX-50XM4 and PX-42XM3 achieve the highest contrast ratio in bright conditions in the industry, as a result of efforts to pursue higher visibility under bright lights or in sunlight. Obtain vivid, sharp video images regardless of the environmental conditions of the locations. (As of July 2004)

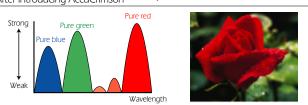
#### AccuCrimson reproduces accurate red colour

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.

#### Before introducing AccuCrimson

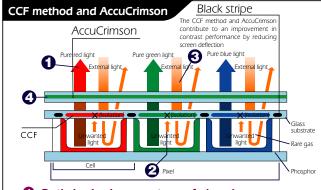


#### After introducing AccuCrimson®



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

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

The CCF removes the orange color, particular to plasma displays, emitted by neon gas

#### 8 Reduced screen deflection

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

#### **Optimized red color**

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

#### The highest capability for colour expression in the industry with 4,096 steps equivalent to 68.7 billion colours

By introducing Gamma-12, rich and smooth expressions with 4,096 steps - the highest number in the industry - 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. (As of July 2004)



#### The newly designed Scan Converter dramatically improves character readability

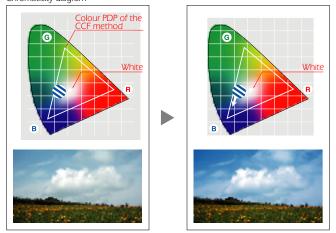
The Scan Converter converts input signals in accordance with the resolution of the display. Since sampling accuracy for the interpolation of data has been improved by approximately 4 times, and its conversion accuracy has also been improved by approximately 4 times (compared to NEC's ordinary products), small characters can also be displayed uniformly with a dramatic improvement in readability. With the digital zooming function, enlarged characters will not bleed or become fuzzy.



#### 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.

Chromaticity diagram



#### 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.

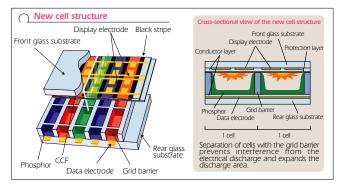


#### 4 kinds of gamma correction modes

Expression with the Scan Converter

#### The new module is employed for high brightness and low power consumption

The plasma display expresses colours with the following mechanism. Certain voltage is applied to rare gas sealed on the inside and then the phosphors are irradiated with the UV rays generated at that time. In the new module, the phosphors are improved and the gas composition rate is reviewed to drastically improve its luminous efficiency. Since a new cell structure is employed where the grid barrier between the cells prevents interference from the electrical discharge, and a new electrode structure expands the effective discharge area, low power consumption, high brightness, high contrast, and a long lifetime are achieved at the same



#### Long life panel

A panel lifetime of 60,000 hours has been achieved for all models. 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 materializes appealing presentations\*1

\*1 Applied in PX-61XM3, PX-61XR3, PX-50XM4 and PX-50XR4



#### Two Digital AccuDevice systems deliver accurate, high quality images on both the main and sub screens

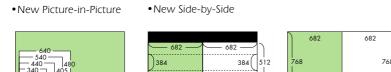


• High quality images are available on both the main and sub screens by employing two Digital AccuDevice systems



#### 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 videoconference systems.



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



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. In the new 61-inch PlasmaSync PX-61XM3 and the new 50-inch PlasmaSync PX-50XM4, this function is improved further, so that 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 two Digital AccuDevice systems, 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.)





#### SUB PICTURE DETECT Function turns the sub screen on/off automatically

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 displays a still image on the sub screen

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 only for analogue RGB input. \* This is available in the side-by-side screen mode as well.)



1st screen lorevious image

and screen (current image

#### SEAMLESS SWITCH Function instantly switches two input signals

An ordinary plasma monitor needs time to switch screens due to input signal processing. Because two signal processing circuits are employed in the new PlasmaSync 61XM3 and 50XM4, the speed for switching input signals has been dramatically improved. For instance, the monitor instantly processes the insertion of a CM image, information from video signals, or a signboard displaying information from video signals or PC signals, as well as immediately switching between a stadium score display (PC signals) and a video camera image display (video signals) or a reciprocal display between data and relayed images in a monitoring system. (It is not possible to switch input signals among video inputs.)



The signal processing circuit, Digital AccuDevice, achieves Full Digital Sampling without thinning out the input signals and fully digitizes every process for processing image input signals. The new 61-inch PlasmaSyncR PX-61XM3 and the new 50-inch PlasmaSyncR PX-50XM4 are equipped with two Digital AccuDevice. Clear, progressive high-definition images, in which signal deterioration and noise are suppressed, are displayed on both the main and sub screens by fully digitizing the original visual images without converting them into analogue signals. Furthermore, since the 61-inch wide monitor is one of the largest in the industry, images on the sub screen are easy to see. The advanced new PlasmaSync 61XM3 and 50XM4 feature high quality images and variegated functions and supports image evolutions for presentations and video conferences, where detailed information must be displayed, and electronic advertising

systems, where vivid visual images are required.

## Picture-In-Picture Function

#### ZOOM NAVIGATION Function indicates the area being enlarged

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 only for analogue RGB input. \* This is available in the side-by-side screen mode as well.)

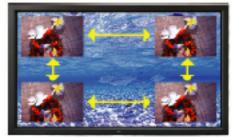
An enlarged image is displayed on the main screen

An entire image is displayed on the sub screen



#### Sub Screen Moving Function moves the sub screen to any one of four positions

Although the sub screen can be moved into two display positions on an ordinary plasma monitor, it can be moved into any one of four positions on the new PlasmaSync 61XM3 and 50XM4. 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

## **Functions for professionals**

The full capabilities of the PlasmaSync expression are exhibited by the professional specifications

#### Programmable timer function\*<sup>2</sup>

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 multi-screen system.

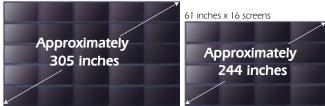
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#### A multi-screen system can be configured with a maximum of 25 screens\*2

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 x 25 screens



#### Automatic ID function\*2

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 delav\*2

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\*2

8

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 screer



#### Screen Orbiter function 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: Picture shift, 5: Screen wiper, 6: Soft focus) to prevent this phenomenon. Implement the appropriate measures depending on the occasion. (Occurrence of this phenomenon is out of the scope of the guarantee.)

#### \*<sup>2</sup> Applied in PX-61XM3, PX-50XM4, PX-42XM3, PX-42VM5 and PX-42VP5

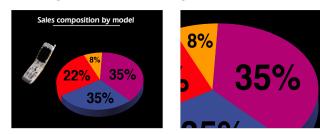
#### PLE Lock function with three modes is available

In order to reduce power consumption, the PLE function decreases peak brightness when the screen displays large areas of white color. In order to improve the contrast ratio, it increases peak brightness when displaying large areas of black colour. The PLE Lock function offers three modes with different brightness levels for choosing between optimum brightness, reducing unnecessary power consumption, or activating the screen orbiter function.



#### 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.



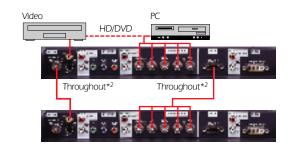
#### Vertical Installations\*2

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. The monitor is designed for future expandability, where the BOXPC can be installed on the rear panel of the monitor.



Video 1 and RGB1 can be selected as output ports according to the user's preference.





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



🛕 📥 Tilt Mount Unit (PX-T2U) Allows monitors to tilt forward 5 to 25° (horizontal only).

🛕 🙇 Tilt Mount Unit (PX-T3U) In horizontal plane the monitors will tilt forward 0 to 30° In vertical plane allows 50XM4 to tilt forward 0 to 10<sup>o</sup> and the 61XM3 to tilt forward 0 to 5°.

## 🛕 🛕 Stand

PX-W2U

PX-T2U

PX-61ST1U

PX-505P111

(PX-ST1U) / (PX-ST1U/S) Silver For free standing installations.

A Stand (PX-61ST1U) / (PX-61ST1U/S) Silver For free standing installations.

Attachable Speakers (PX-42SP1U) / (PX-42SP1U/S) Silver 10-watt speakers, stand-alone or attach to the monitor.

> Attachable Speakers (PX-50SP1U) / (PX-50SP1U/S) Silver

20-watt speakers, stand-alone or attach to the monitor. Attachable Speakers

(PX-61SP1U) / (PX-61SP1U/S) Silver 20-watt speakers, stand-alone or attach to the monitor.

#### 🛕 📥 Pole Unit (PX-42M3U-P)

Allows multiple monitors to be mounted on a pole unit (made to order). Attachments to this allow for vertical and horizontal mounting; Vertical Mount Unit (PX-42M3U-P-V); Horizontal Pole Mount Unit (PX-42M3U-P-H).

#### 🛕 🛕 Multi Screen

Mount Unit (PX-42VP1U-MW) Multi Screen Mount Unit (Made to Order).

Multi Screen Support Unit (PX-42VP1U-MW-S) Plinth for PX-42VP1U-MW (Made to Order).

A Terminal Cover (PX-CV2U) For covering the terminal cabling. A Vertical Wall Mount Unit

Set the screen horizontally on the floor at an angle of 70°.

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

Aslant Stand (PX-50VP1U-PS)

Or used vertically at 70° (Made to Order)

Slant Stand (PX-42VP1U-PS)

PX-42M3U-P

PX-42VP1U-VW









	PX-61> PX-61>			£	PX-50	DXM4 XR4		
Мос	del	Dots x lines	Vertical frequecy (Hz)	Horizontal frequecy (kHz)	NORMAL	TRUE	FULL	DVI
	7)	640x400	70.1	31.5	YES*2)	YES	YES	NO
IBM PC/AT		640x480	59.9	31.5	YES	YES	YES	YES
compatible computers			72.8	37.9	YES	YES	YES	YES
computers			75.0	37.5	YES	YES	YES	YES
			85.0	43.3	YES	YES	YES	YES
			100.4	51.1	YES	YES	YES	YES
		0.40400	120.4	61.3	YES	YES	YES	YES
		848x480 852x480 <sup>*1)</sup>	60.0 60.0	31.0 31.7		YES YES	YES YES	YES YES
		800x600	56.3	35.2	YES	YES	YES	YES
		800000	60.3	37.9	YES	YES	YES	YES
			72.2	48.1	YES	YES	YES	YES
			75.0	46.9	YES	YES	YES	YES
			85.1	53.7	YES	YES	YES	YES
			99.8	63.0	YES	YES	YES	YES
			120.0	75.7	YES	YES	YES	YES
		1024x768	60.0	48.4	YES*3)		YES	YES
			70.1	56.5	YES*3)		YES	YES
			75.0	60.0	YES*3)		YES	YES
			85.0	68.7	YES*3)		YES	YES
			100.6	80.5	YES*3)		YES	YES
		1152x864	75.0	67.5	YES		YES	YES
		1280x768	56.2	45.1			YES	NO
			59.8 69.8 <sup>*8)</sup>	48.0 56.0 <sup>*8)</sup>			YES YES	YES YES
		1280x800 <sup>*8)</sup>	60.0	49.7			YES	YES
		1280x854*8)	60.0	53.1			YES	YES
		1360x765	60.0	47.7			YES*3)	NO
		1360x768	60.0	47.7			YES*3)	YES
		1376x768	59.9	48.3			YES	NO
		1280x1024	60.0	64.0	YES*4)		YES	YES
			75.0	80.0	YES*4)		YES	YES
			85.0	91.1	YES*4)		YES	YES
		48.	100.1	108.5	YES*4)		YES	NO
		1680x1050*8)	60.0	65.3			YES	YES
		1600x1200	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		YES YES	NO NO
		1920x1200 <sup>*8)</sup>	85.0 60.0	106.3 74.6	1E5		YES	NO
		1920x1200 RB*8)	60.0	74.0			YES	YES
		640x480	66.7	35.0	YES	YES	YES	NO
Apple Macintosh*5,*7)		832x624	74.6	49.7	YES	YES	YES	NO
		1024x768	74.9	60.2	YES*3)		YES	NO
		1152x870	75.1	68.7	YES		YES	NO
		1440x900 <sup>*8)</sup>	60.0	56.0			YES	YES
Work	EWS4800	1280x1024	60.0	64.6	YES*4)		YES	YES
			71.2	75.1	YES*4)		YES	YES
	HP	1280x1024	72.0	78.1	YES*4)		YES	YES
Station*7)	SUN	1152×900	66.0	61.8	YES		YES	YES
			76.0	71.7	YES		YES	YES
		1280x1024	76.1	81.1	YES*4)		YES	YES
	SGI	1024x768	60.0	49.7	YES*3)		YES	YES
	DALOOFS	1280x1024	60.0	63.9	YES*4)		YES	YES
IDC-3000G	PAL625P	768x576	50.0	31.4	YES*6)		YES*6)	NO
	NTSC525P	640x480	59.9	31.5	YES*6)		YFS*6)	NO

MTSC525P 640x480 59.9 31.5 YES<sup>\*6</sup> -- YES<sup>\*6</sup> NO

 Initiation
 YES\*\*
 YES\*\*
 NO

 \*1 Only when using a graphic accelerator board that is capable of displaying 852 X 480.
 \*2
 This signal is converted to a 1024 dots X 640 lines signal.

 \*2 This signal is converted to a 1024 dots X 640 lines signal.
 \*3 The picture is displayed in the original resolution.

 \*4 Appect tails of 54. This signal is converted to a 960 dots X 768 lines signal.
 \*6

 \*5 To connect the Macintosh computer, use the nonitor adapter (D-Sub 15-pin) to your computer's video port.
 \*6 Other screen modes (ZOOM and STADIUM) are available as well.

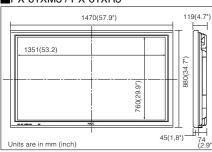
 \*7 When viewing a moving picture at a vertical frequency greater than 65Hz, the picture may sometimes be unstable (jumpy).
 fif this occurs, please set the refresh rate of external equipment to 60Hz.

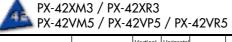
 \*7 when viewing 36 moving bicture at a vertical frequency greater than 65Hz.
 ther adapter (D-Sub 12-z)

 \*7 when viewing a moving bicture at a vertical frequency greater than 65Hz.
 the fresh rate) when sync polarity is Sync on Green?

 \*8 CVT standard compliant.
 %GB SELECT\* to "MOTION".
 \*8 CVT standard compliant.

#### PX-61XM3 / PX-61XR3





Мос	del	Dots x lines	Vertical frequecy (Hz)	Horizontal frequecy (kHz)	NORMAL	FULL	DVI
*0)		640x400	70.1	31.5	YES*2)*3)	YES	NO
IBM PC/AT <sup>*8)</sup> compatible computers		640x480	59.9	31.5	YES*3)	YES	YES
			72.8	37.9	YES*3)	YES	YES
			75.0	37.5	YES*3)	YES	YES
			85.0	43.3	YES*3)	YES	YES
			100.4	51.1	YES*3)	YES	YES
			120.4	61.3	YES*3)	YES	YES
		848x480	60.0	31.0		YES*3)	YES
		852x480*1)	60.0	31.7		YES*3)	YES
		800x600	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
			120.0	75.7	YES	YES	YES
		1024x768	60.0	48.4	YES	YES*4)	YES
			70.1	56.5	YES	YES*4)	YES
			75.0	60.0	YES	YES*4)	YES
			85.0	68.7	YES	YES*4)	YES
			100.6	80.5	YES	YES*4)	YES
		1152x864	75.0	67.5	YES	YES	YES
		1280x768	56.2	45.1	1E5	YES	NO
		1200X/08				-	
			59.8	48.0		YES	YES
		1000 000*01	69.8 <sup>*9)</sup>	56.0 <sup>*9)</sup>		YES	YES
		1280x800*9)	60.0	49.7		YES	YES
		1280x854*9)	60.0	53.1		YES	YES
		1360x765	60.0	47.7		YES	NO
		1360x768	60.0	47.7		YES	YES
		1376x768	59.9	48.3		YES	NO
		1280x1024	60.0	64.0	YES*5)	YES	YES
			75.0	80.0	YES*5)	YES	YES
			85.0	91.1	YES*5)	YES	YES
			100.1	108.5	YES*5)	YES	NO
		1680x1050*9)	60.0	65.3		YES	YES
		1600x1200	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
		1920x1200*9)	60.0	74.6		YES	NO
		1920x1200RB*9)	60.0	74.0		YES	YES
		640x480	66.7	35.0	YES*3)	YES	NO
pple Macir	ntosh <sup>*6)*8)</sup>	832x624	74.6	49.7	YES	YES	NO
		1024x768	74.9	60.2	YES	YES*4)	NO
		1152x870	75.1	68.7	YES	YES	NO
		1440x900 <sup>*9)</sup>	60.0	56.0		YES	YES
	EWS4800*8)			64.6	YES*5)	YES	YES
'ork	EW54800 °	1200X1024	60.0				
tation	HP*8)	1000-1004	71.2	75.1	YES*5)	YES	YES
		1280x1024	72.0	78.1	YES*5)	YES	YES
	SUN*8)	1152x900	66.0	61.8	YES	YES	YES
			76.0	71.7	YES	YES	YES
		1280x1024	76.1	81.1	YES*5)	YES	YES
	SGI	1024x768	60.0	49.7	YES	YES*4)	YES
		1280x1024	60.0	63.9	YES*5)	YES	YES
	PAL625P	768x576	50.0	31.4	YES*7) YES*7)	YES*7) YES*7)	NO
DC-3000G							

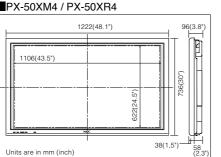
 INIS/2520PT
 04/UX480
 59/9
 71.5
 Y ES ''
 <thY ES ''</th>
 <thY ES ''</th>
 <thY

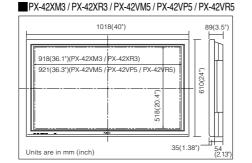
NOTE: •While the input signals comply with the resolution listed in the table above, you may have to adjust the position and size of the picture or the fine picture because of errors in synchronization of your computer. •When a 126 doits X 1024 lines signal or 1600 doits X 1200 lines signal is input to the monitor, the picture will be compressed. •The sync may be disturbed when a nonstandard signal other than the aforementioned is input. •Xe6 (XM3) (XP-SS0M4) - This monitor has a resolution of 1365 doits X 768 lines. It is recommended that the input signal should be XGA, or equivalent. •Xe42XM3: This monitor has a resolution of 1856 doits X 768 lines. It is recommended that the input signal should be XGA, or equivalent. •Xe42XM3: This monitor has a resolution of 1856 doits X 7480 lines. It is recommended that the input signal should be XGA, or equivalent. •Xe42XM3: This monitor has a resolution of 1856 doits X 7480 lines. It is recommended that the input signal should be XGA, or equivalent. •Xe42XM3: This monitor has a resolution of 1856 doits X 7480 lines. It is recommended that the input signal should be VGA, or equivalent. •Xe42XM3: This monitor has a resolution of 1856 doits X 7480 lines. It is recommended that the input signal should be VGA, or equivalent. •Xe42XM3: This monitor has a resolution of 1856 doits X 7480 lines. It is recommended that the input signal should be VGA, or equivalent. •Xe42XM3: doits at the signal 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 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/Internation of the HDCP community(Digital Content: Protection, LLC).

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PX-50XM4	1	РX	(-50
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	PX-61XM3 PX-61XR3	PX-50XM4 PX-50XR4	PX-42XM3 PX-42XR3	PX-42VM5 / PX-42V PX-42VR5
	PX-61XM3W PX-61XR3W	PX-50XM4W PX-50XR4W	PX-42XM3W PX-42XR3	W PX-42VM5W / PX-42VP5W PX-42VR5W
Screen Size	1351 (H) x 760mm (V) mm 53.2"(H) x 29.9"(V) inches diagonal 61"	1106 (H) x 622mm (V) mm 43.5"(H) x 24.5"(V) inches diagonal 50 '	918 (H) x 518mm (V) mm 36.1°(H) x 20.4°(V) inches diagonal 42'	921(H) × 518mm (V) mm 36.3'(H) × 20.4'(V) inches diagonal 42' 42W/5W:Installed AR (Anti-Reflection) F 42W/5W:Installed AG (Anti-Glare) Fitter
Aspect Ratio	16:9			
Resolution	1365 (H) x 768 (V) pixels	1	1024 (H) x 768 (V) pixels	853 (H) x 480 (V) pixels
ixel 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			
gnals Synchronization Range	Horizontal: 15.5 to 110 kHz (automatic: step	o scan) Vertical: 50.0 to 120.0 Hz (automatic:	step scan)	
ezel colour	Gray Silver	Gray Silver	Gray Silver	Gray Silver
put Signals	RGB, NTSC (3.58 / 4.43), PAL(B, G, M, N), R	PAL60, SECAM, HD*1, DVD*1, DTV*1		
nput Terminals	(VIDEO1 and RGB1 can also be used as OI	JTPUT terminals)*2		
IGB	RGB 1 (Analog) mini D-sub 15-pin x 1 RGB 2 (Analog) BNC (R, G, B, H/CS, V )x RGB 3 (Digital) DVI-D 24-pin x 1 <sup>*4</sup>	1*3		
/ideo	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] DVD 2 / HD 2 BNC (Y, PB[CB], PR[CR])x DVD 3 / HD 3 DVI-D 24-pin x 1*4	]) × 1*1 1*1*3		
udio	Stereo RCA x 3 (Selectable)			
xternal Control	D-sub 9-pin x 1 (RS-232C)			
ound Output	9W+9W at 6 ohm		8W+8W at 6 ohm	
ower Supply	AC100-240V 50/60Hz	7.64 (movimum)	5.24 (movies:)	4.54 (moviers)
ower Consumption	8.0A (maximum)	7.6A (maximum)	5.2A (maximum)	4.5A (maximum)
	540W (typical) 1470 (W) x 880 (H) x 119 (D) mm	435W (typical) 1222 (W) x 736 (H) x 96 (D) mm	305W (typical)	270W (typical)
imensions	1470 (W) x 880 (H) x 119 (D) mm 57.9 (W) x 34.7 (H) x 4.7 (D) inches	48.1 (W) x 30 (H) x 3.8 (D) inches	1018 (W) x 610 (H) x 89 (D) mm 40 (W) x 24 (H) x 3.5 (D) inches	
/eight	61.0kg / 134.5 lbs (without stand)	44kg / 97 lbs (without stand)	29.5kg / 65.0 lbs (without stand)	28.5kg / 62.8 lbs (without stand)
nvironmental	Operating Temperature 0°c to 40°c / 32°F to 104°F Humidity 20 to 80% (no condense Altitude 0 to 2800 m / 0 to 9180 fe Storage Temperature -10°c to 50°c / 14°F to 1°	ation) eet		
	Humidity 10 to 90% (no condensa Altitude 0 to 3000 m / 0 to 9840 fe	ation) et		
ront Panel User Controls	Power on / off, Input source select, Volume PX-61XM3 / PX-50XM4 (RP-114)	e up / down/ USM control	PX-42XM3 / PX-42VM5 / PX-42VP5 (F	20 100
Remote Control Function	select, Clear, Side by side, Picture in pictur PX-61XR3 / PX-50XR4 (RP-112) Power on / Stand By, Off timer, Display, Wide, Volume up / down, Pointer, Zoom up / down, S select (Video1, Video2, Video3, DVD / HD1, D	n, Mute, Wide, Display, Off timer, Auto adjust, I e, Single, Select / Freeze	D Left, Right), Pointer, Zoom up / down, Mt PX-42XR3 / PX-42VR5 (RP-113) Power on / Stand By, Off timer, Display Volume up / down, Mute, Zoom up / di e Single, Input source select (Video1, Vi / / RGB), Picture memory	t, OSM control, Volume up / down, Cursor (UP, Dov ute, Wide, Display, Off timer, Auto adjust, ID select, y, Wide, Cursor (UP, Down, Left, Right), Menu / Er own, Contrast, Brightness, Colour temp, Picture m deo2, Video3, DVD / HD1, DVD / HD2, DVD / HD2
OSM Functions	Colour temperature / White balance / Gamm / Balance / Audio input). Image Adjust (Aspe Width / Auto Picture / Fine picture / Picture a Input / RGB Select / HD Select / Input Skip / Cinema mode / Long Ife[PLE, Orbiteo wall adjust, Power on delay, PLE link, Timer]). Op Seamless SW), Advanced OSM, Language "English, German, French, Italian, Spanish, <b>PX-61XR3 / PX-60XR4</b> Picture (Contrast / Brightness / Sharpness / Col temperature / Gamma / Low tone / Colour tune, Audio (Bass / Treble / Balance / Audio input), In V-Height / H-Width / Auto picture / Fine picture / JS/S / Display OSM / OSM adjustment / All res P. detect / Zoom nav. / Picture FOCUS, OSM ORBITEF * English, German, French, Italian, Spanish, Sw	se, White, Screen wiper, Soft focus) / Gray level (Timer / Power on mode / Control lock / IR Divider, Position, Disp. mode, Auto ID, Image tilon 4 (Sub.P. detect / Zoom nav / Pic freeze / , Colour system, Source information Swedish, Chinese, Russian our / Tint / Picture mode / Noise reduction / Colour (Cinema mode / Picture mode), nage Adjust (Aspect mode / V-Position / H-Position / Picture adjustment), Set up (Language* / BNC ing up / Colour system / Back ground / Gray level / et), Function (Power management / Input skip / Sul er: (PEAK BRIGHT, OPB/TER, INVERSE/MHITE, , OSM CONTRAST)), Signal Information	e Colour temperature / White balance / G / Balance / Audio input), Image Adjust. Width / Auto Picture / Fine picture / Pict Input / RGB Select / HD Select / Input C Cinema mode / Long life[PLE, Orbiter, S1/52 / DVI Set up), Option 3* <sup>2</sup> (Timer / I D number / Video wall[Divider, Positi delay, PLE link, Timer]), Advanced OSB *English, German, French, Italian, Spar PX-42XR3 / PX-42VR5 Picture (Contrast / Brightness / Sharpness temperature / Garma J Low tone / Colour Audio (Bass / Treble / Balance / Audio ing V V-Height / H-Width / Auto picture / Fine pi input / D-sub input / HD select / RGB sele / S1/52 / Display OSM / OSM adjustment / OPB reser: (PEAK BRIGHT, ORBITER, IN ORBITER, OSM CONTRAST)), Signal Info * English, German, French, Italian, Sparis	s / Colour / Tint / Picture mode / Noise reduction / Colo tune / Cinema mode / Picture mode), out), Image Adjust (Aspect mode / V-Position / H-Posit cture / Picture adjustment), Set up (Language" / BNC ct / DVI set up / Colour system / Back ground / Gray I / All reset), Function (Power management / Input skip VERSE/WHITE, SCREEN WIPER, SOFT FOCUS, OSM rmation
Other Features	PX-61XM3 / PX-50XM4 Motion compensated 3D Scan Converter: (NT pull down Converter: (NTSC, 4801, 5251, 1035 5761, 6251, NTSC, 4801, 5251), Digital Zoom FI 25multi screen, Self Diagnosis, Image Burn re ORBITER (Auto1,2 / Manual), SCREEN WIPET mid / mid low / low, user has 4 memories). C Input Skip, Colour Tune, Low Tone (3 mode), (4 modes), Loop through interface, Plug and screen operations, Sub picture detect, Picture PX-61XR3 / PX-50XR4 Motion compensated 3D Scan Converter: (1 2-3 pull down Converter: (NTSC, 4801, 5251), Digital Diagnosis, PDP Saver: (PEAK BRIGHT 100 INVERSE, WHITE, SCREEN WIPER, SOFT F Colour Temperature select (high / mid / mid Input Skip, Colour Tune, Low Tone (Auto, 3 Play (DDC1, DDC2b, RGB3: DDC2b only), Picture freeze, Seamless switch, Zoom navi	<ul> <li>2-3 pull down Converter: (NTSC, 480), (75C, 480), 526), Di (PAL, 576, 625), NTSC, 480), 526), Di NURRSE, WHITE, ORBITER (Auto1.2, Temperature select (high / mid I / mid Ic programmable Timer, Gamma Correct (DDC1, DDC2b, RGB3: DDC2b only)</li> <li>PX.42XR3 / PX.42VR5</li> <li>I), Motion compensated 3D Scan Conver r: 2-3 pull down Converter: (NTSC, 480), (PAL, 576, 625), NTSC, 480, 525), Di Diagnosis, PDP Saver: (PEAK BRIGHT INVERSE, WHITE, SCREEN WIPER, SC Colour Temperature select (high / mid I pult Skip, Colour Tune, Low Tone (Au Play (DDC1, DDC2b, RGB3: DDC2b on provide)</li> </ul>	ter: (NTSC, PAL, 4801, 5761, 5251, 6251, 10351, 106 5251, 10351, 10801 (60Hz)), 2-2 pull down Convei igital Zoom Function: (100-900% Selectable), Vid Image Bum reduction tools: (PLE LOCK1~3, (Manual), SCREEN WIPER, SOFT FOCUS), Colo. w/ low, user has 4 memories), Control lock: (Exc 20lour Tune, Low Tone (3 mode), Auto ID, tion (4 modes), Loop through interface, Plug and ter: (NTSC, PAL, 4801, 5761, 5251, 6251, 10351, 10 5251, 10351, 10801 (60Hz)), 2-2 pull down Convei gital Zoom Function: (100-900% Selectable), Sdf [100% /75% /50% /25%], ORBITER (Auto 1, 2), OFT FOCUS, OSM ORBITER, CAM CONTRAST), / mid low / low, user has 4 memories), Auto Pictu to, 3 mode), Gamma Correction (4 modes), Plug nly)	
ccessories	Remote control with two AAA batteries, Pow	ver code, Manuals, Safety metal fittings, Ferrite	cores, Bands, Cable clamps	
legulations		455024, EN61000-3-2, EN61000-3-3) 260950, SEMKO Approved) PX-42VR5W	sd)	
HD/DVD/DTV input signal 480P(60Hz) 480I(60Hz) 525P(60Hz) 525I(60Hz) 576P(50Hz) 576I(50Hz) 625P(50Hz) 625I(50Hz) 720P(60Hz) 1035I(60Hz) 1080I(50Hz) 1035I(60Hz)	Supported S • 640x480P • 1280x720f • 1920x108	ble with HDCP. ignals @55 94/60Hz • 1920x1080 @50Hz ? @55 94/60Hz • 720x578P @50Hz 	*The feature	es and specifications may be subject to change without r

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200/k0/H\_2 1035/k0/H\_2
 200/k0/H\_2
 200/

UP, Ijust, ID	PX-42XM3 / PX-42VM5 / PX-42VP5 (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 PX-42XR3 / PX-42VP5 (RP-113)
er, t source nemory	Power on / Stand By, Off timer, Display, Wide, Cursor (UP, Down, Left, Right), Menu / Enter, Volume up / down, Mute, Zoom up / down, Contrast, Brightness, Colour temp, Picture mode, Single, Input source select (Video1, Video2, Video3, DVD / HD1, DVD / HD2, DVD / HD3, PC / RGB), Picture memory
tion / / Treble ht / H- D-Sub / y level / IR hage hage	PX-42XM3 / PX-42VM5 / PX-42VP5 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 / RGB Select / HD 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 / DVI Set up), Option 3*2 (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 PX-42XR3 / PX-42VR5
Colour Yosition / NC input el / ip / Sub IITE,	Picture (Contrast / Brightness / Sharpness / Colour / Tint / Picture mode / Noise reduction / Colour temperature (Garma / Low tone / Colour tune / Cinema mode / Picture mode), Audio (Bass / Treble / Balance / Audio input), Image Adjust (Aspect mode / V-Position / H-Position / V-Height / H-Width / Auto picture / Fine picture / Picture adjustment), Set up (Language / BNC input / D-sub input / HD select / ROB select / DVI set up / Colour system / Back ground / Gray level / St/S2 / Display OSM / OSM adjustment / All reset), Function (Power management / Input skip / PDP saver: [PEAK BRIGHT, ORBITER, INVERSE/WHITE, SCREEN WIPER, SOFT FOCUS, OSM ORBITER, OSM CONTRAST]), Signal Information * English, German, French, Italian, Spanish, Swedish, Chinese, Russian
301), 2-3 (PAL, II 4- WHITE, ect (high ure, porrection , Split on , 10801), nverter: Self 2), TT, icture, <sup>9</sup> /ug and ect,	<ul> <li>PX-42XM3 / PX-42VM5 / PX-42VP5</li> <li>Motion compensated 3D Scan Converter: (NTSC, PAL, 4801, 5761, 5251, 6251, 10351, 10801), 2-3 pull down Converter: (NTSC, 4801, 5251, 10351, 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, 5elf 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)</li> <li>PX-42XR3 / PX-42VR5</li> <li>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), 10351, 10801 (60Hz), 2-2 pull down Converter: (PAL, 5761, 6251, NTSC, 4801, 5251), 10351, 10801 (60Hz), 2-2 pull down Converter: (PAL, 5761, 6251, NTSC, 4801, 5251), 10351, 10801 (60Hz), 2-2 pull down Converter: (PAL, 5761, 6251, NTSC, 4801, 5251), 10051, 10801 (60Hz), 2-2 pull down Converter: (PAL, 5761, 6251, NTSC, 4801, 5251), 10051, 10050, 775% /50% /25%), ORBITER (Auto 1, 2), INVERSE, WHITE, SCREEN WIPER, SOFT FOCUS, OSM ORBITER, OSM CONTRAST), Colour Temperature select (high / mid / mid low / low, user has 4 memories), Auto Picture, Input Skip, Colour Tune, Low Tone (Auto, 3 mode), Gamma Correction (4 modes), Plug and Play (DDC1, DDC2b, RGB3: DDC2b only)</li> </ul>
Ferrite co	res, Bands, Cable clamps

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