

61XM2+ 61" Wide XGA Multimedia Display

The Latest Generation PlasmaSync 61XM2+ family pushes the industry standards of picture performance to extremes, especially in both public and multimedia display applications.

Product Code	PX-61XM2PA [23], PX-61XM2PA/S [23], PX-61XM2P-GU [23], PX-61XM2P-GU/S [23] ([23], [23]: silver model)
Screen Size	1351mm (H) x 760mm (V) / 53.2" (H) x 29.9" (V) / Diagonal 1550mm, 61"
Aspect Ratio	16:9
Resolution	1365 (H) x 768 (V) pixels
Pixel Pitch	0.99mm (H) x 0.99mm (V) / 0.039" (H) x 0.039" (V)
Colour Processing	4096 steps, 68.7 billion colours
Synchronization Range	Horizontal: 15.5 to 110 kHz (automatic: step scan) Vertical: 50.0 to 120.0 Hz (automatic: step scan)
Input Signals	RGB: (VGA, SVGA, XGA, SXGA, UXGA / W-VGA, W-XGA); NTSC: (3.58 / 4.43); PAL: (B, G, M, N); PAL60; SECAM; HD; DVD; DTV
Input Terminals RGB	RGB1 (Analogue) mini D-sub 15-pin x 1 RGB2 (Analogue) 5BNC x 1 (Y / Pb(Cb) / Pr(Cr) input of 5BNC and common use, selectable) RGB3 (Digital) DVI-D 24-pin x 1 (not compatible with analogue input) HDCP (EIA / CEA-861-A) compatible ([23] model only)
Input Terminals Video	Video1 BNC x 1 Video2 RCA-pin x 1 Video3 S-Video: DIN 4-pin x 1
Input Terminals HD/DVD/DTV	HD1 / DVD1 / DTV1 = RCA-3pin (Y, Pb(Cb), Pr(Cr)) x 1 HD2 / DVD2 / DTV2 = 5BNC x 1 (RGB input of 5BNC and common use, selectable)
Input Terminals Audio	Stereo RCA x 3 (selectable)
External Control	D-sub 9-pin x 1 (RS-232C)
Wired Remote Input Terminals	3P plug
Wired Remote Output Terminals	3P plug
Audio Output Power for Speaker	9W + 9W (at 6 Ω)
Current Rating	[23], [23]: 6.7A (maximum) [23], [23]: 8.0A (maximum)
Power Sources	[23], [23]: 120V 50 / 60Hz [23], [23]: 100 to 240V 50 / 60Hz
Power Consumption	540W (typical)
Dimensions	Without Stand: 1470mm (W) x 880mm (H) x 119mm (D) / 57.9" (W) x 34.7" (H) x 4.7" (D) With Stand: 1470mm (W) x 940mm (H) x 430mm (D) / 57.9" (W) x 37.0" (H) x 16.9" (D)
Weight	Without Stand: 61.0kg / 134.5 lbs With Stand: 67.5kg / 148.8 lbs
Front Panel User Controls	Power SW (ON / OFF), Input select SW (Exit), Volume (up / down), Menu / Enter, left, right
Remote Control Function	Power (ON / OFF), Input Select (Video, DVD / HD, RGB / PC), Volume (up / down), Mute, Wide, Display, Off timer, Menu / Enter, Exit, Cursor (up, down, left, right), Pointer, Zoom (up / down), Auto Adjust, ID Select, Clear, Multi, Select
OSM Function	Picture: (Contrast / Brightness / Sharpness / Colour / Tint / Colour temperature / White Balance / Picture mode / Noise Reduction (NR) / Gamma / Low tone / Colour Tune); Audio: (Bass / Treble / Balance / Audio input); Image adjust: (V-Position / H-Position / V-Height / H-Width / Fine picture / Picture adjustment / Auto Picture (ON / OFF) / Aspect Mode); Option 1: (OSM / BNC input / D-sub input / RGB select / HD select / Input skip / All reset); Option 2: (Power management (ON / OFF) / Cinema mode / Long life / Grey level / S1/S2 / Picture size); Option 3: (Timer / Power on mode / Control lock / IR remote / ID number / Videowall); Option 4: (Sub.P detect / Zoom nav / Pic freeze / Seamless SW); Advanced OSM; Source information Language (English, German, French, Italian, Spanish, Swedish, Chinese (simple only)); Colour system
Regulations	[23]: UL Approved (UL 60950 Third Edition / CSA C22.2 No.60950-00) / DOC Canada Requirements / Meets FCC class A Requirements [23]: UL Approved (UL 60950 Third Edition / CSA C22.2 No.60950-00 / UL6500:1999 Second Edition / CAN/CSA-E60065-00) / DOC Canada Requirements / Meets FCC class B Requirements [23]: Meets Low Voltage Directive (IEC60950:1999, EN60950:2000, SEMKO Approved) / EN61000-3-2:2000, EN61000-3-3:1995 + A1:2001, EN55022:1998 + A1:2000 CLASS A, EN55024:1998 + A1:2001, AS/NZS CISPR22:2002 CLASS A [23]: Meets Low Voltage Directive (IEC60065:2001, EN60065:1998, IEC60950:1999, EN60950:2000), EN61000-3-2:2000, EN61000-3-3:1995 + A1:2001, EN55022:1998 + A1:2000 CLASS B, EN55024:1998 + A1:2001, AS/NZS CISPR22:2002 CLASS B
Environmental Operation	Temperature: 0°C to 40°C / 32°F to 104°F Humidity: 20 to 80% (no condensation) Altitude: 0 to 2800 m / 0 to 9180 feet
Environmental Storage	Temperature: -10°C to 50°C / 14°F to 122°F Humidity: 10 to 90% (no condensation) Altitude: 0 to 3000 m / 0 to 9840 feet
Accessories	Remote control with two AAA batteries, Power cable, User's Manual, Safety metal fittings, Ferrite cores, bands, Cable clamps
Other Features	Motion compensated 3D Scan Converter: (NTSC, PAL, 480i, 576i, 525i, 625i, 1035i, 1080i); 2-3 pull down Converter: (NTSC, 480i, 525i, 1035i, 1080i); 2-2 pull down Converter: (PAL, 576i, 625i, NTSC, 480i, 525i); Digital Zoom Function: (100-900% selectable); Videowall: 2x2 / 3x3 multi screen; Self Diagnosis; Image Burn Reduction Tools: (PLE LOCK1~3, INVERSE, WHITE, ORBITER (Auto), 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); Enhanced split screen operations: (Side-by-side, Picture-in-picture)

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 September 2003. Specifications may change without notice.

Your NEC Dealer



Specifications
61XM2+
61" Wide XGA Multimedia Display equipped with Enhanced Split Screen

- Picture-in-Picture screen mode
- Side-by-Side screen mode
- Twin Digital AccuDevice
- Mass Area Superior Sampling Technology
- High definition progressive
- The newly designed Scan Converter
- "Gamma-12" realizes 4,096 gradations
- Multi-system with 9 windows or 4 windows
- 1365 x 768 pixels



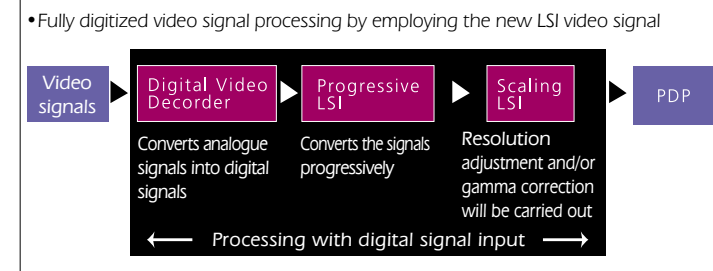
The new PlasmaSync 61XM2+ equipped with Enhanced Split Screen



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



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 PlasmaSync 61XM2+ is 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 61XM2+ features 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.



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



Ordinary image



New PlasmaSync

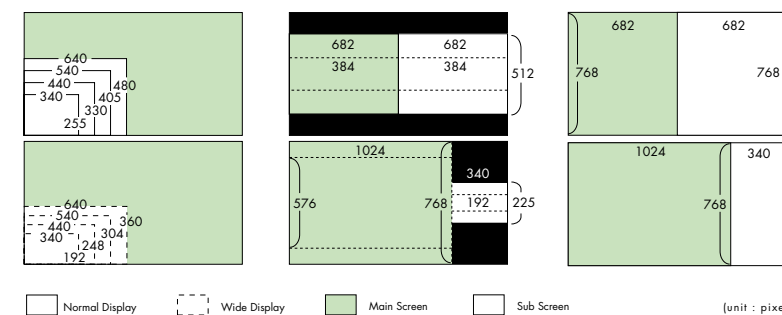
Available in two screen modes—Picture-in-Picture and Side-by-Side

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

• New Picture-in-Picture

• New Side-by-Side



New Picture-In-Picture Function

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.

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

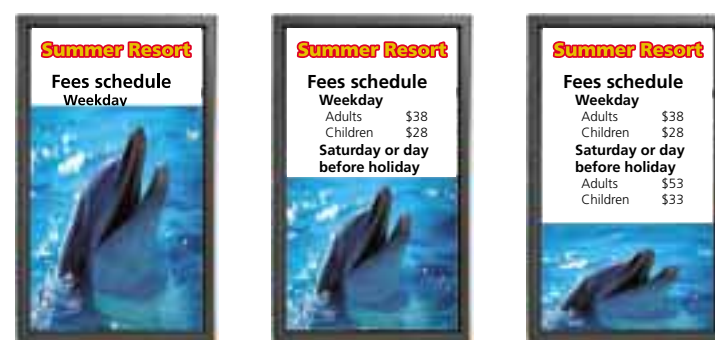
An entire image is displayed on the sub screen

New Side-By-Side Function

New 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 PlasmaSync 61XM2+, 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.)



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.)

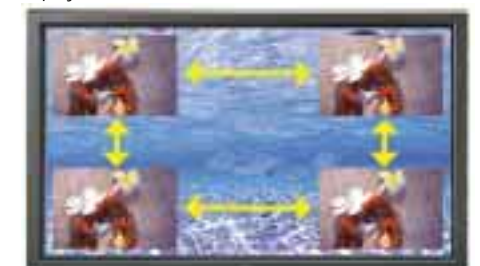


1st screen (previous image)

2nd screen (current image)

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 61XM2+. 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.

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 61XM2+, 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.)