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NEC



FOR HIGH RESOLUTION CLARITY 42" DIGITAL PROFESSIONAL DISPLAY

PLASMASYNC



NEC PlasmaSync 42XM5W 42-inch Plasma Display

For high definition clarity, NEC's 42" 42XM5 Professional plasma has a spectacular array of features and functionality. It's designed to add a special presence to any meeting room, exhibition area or commercial environment, and is completely adaptable for any professional application. What's more, the 42XM5's enhanced contrast, brightness and sharpness allows you to display the clearest images ever.

From graphs, presentations and the internet to DVDs and video footage, this hard-working NEC Professional plasma will become an integral part of your conferencing, delivering superb image reproduction.

It features an XGA resolution of 1024x768 for sharp, clear images and totally accurate colour reproduction. Unique to NEC, you get the AMX Café Protocol – for plug'n'play between the plasma and an AMX controller. It features a comprehensive input panel providing access to the highest number of built-in screensavers available today. Plus it has an ultra long life of 60,000 hours.

To see one is to want one...so start making space!

- 1024 x 768 XGA Resolution
- High contrast output and HDCP compatible
- AMX Café Protocol – for plug'n'play between the plasma and an AMX controller
- Supports 1080p and high-resolution PC signals
- Enhanced picture-in-picture feature
- Built-in screensavers to protect against phosphor burns
- Low power consumption
- Ultra-long life - 60,000 hours
- 3 year limited warranty



<p>HD COMPATIBLE High Definition video is supported</p>	<p>CRYSTAL CLEAR PANEL This technology enhances image expression and power-saving performance by bringing out more detail in dark scenes and providing improved panel efficiency.</p>	<p>CRYSTAL CLEAR DRIVING This new process reduces false contouring on images and delivers higher overall luminance.</p>	<p>PC RGB INPUT x 2 Supports the RGB interface with your laptop or home computer.</p>	<p>AUDIO INPUTS X 3 Allows you to transfer analogue audio from non-digital sources such as a VCR, turntable, and non-HD satellite receiver, direct to your plasma screen.</p>	<p>PRECISION SOUND This high quality Digital to Analog Converter provides faithful audio reproduction from an analog source.</p>	<p>RMS AUDIO OUTPUT X 8 Acoustically enhances the dynamic range and thus your listening pleasure, providing 2 x 8+8W output.</p>	<p>ENHANCED MOTION ADAPTIVE 3D SCAN A new processing method for more intricate detail on moving images.</p>	<p>ENHANCED MASS AREA SUPERIOR SAMPLING This helps to more accurately reproduce acute diagonal lines for smoother contours on the problematic lower degree angles of an image.</p>	<p>ADVANCED EDGE CORRECTION Enormous picture improvements have been made due to this feature. It helps smooth the edges for a more natural visual reproduction that is even more apparent when an object such as jewelry is being zoomed-in for a close-up.</p>	<p>FLUID ORBITER This advanced and improved screen-saver moves more seamlessly eliminating sudden jumps and is therefore unnoticeable. It's necessary when a static image is displayed for a long period of time to eliminate any colour change to the image.</p>	<p>VARIABLE SUB PICTURE TRANSPARENCY LEVELS You can fade the sub-picture background to 4 levels (100, 90, 50, or 20%).</p>	<p>MULTI-FIELD NOISE REDUCTION Reduces picture noise differences between adjacent fields, delivering both Inter-Field and Intra-Field noise reduction to ensure clear, crisp images.</p>	<p>SUB PICTURE FADE This feature gradually fades the sub-picture in and out of the main-picture.</p>	<p>ZOOM NAVIGATION From 100% to 900% selectable, now available on all inputs.</p>	<p>ENHANCED SPLIT SCREEN Picture-in-Picture, Side-by-Side, Sub-Picture Detect, Fade, Transparency, Zoom Navigation and Picture Freeze can be selected on all inputs.</p>
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42" PLASMA SYNC 42XM5W

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Screen Size	(Diagonal) 42"
Screen Aspect Ratio	16 to 9
Active Screen Area (WxH)	36.3 x 20.3 in, 922 X 515 mm
Native Resolution	XGA 1024 x 768
Pixel Pitch	.900/.671 mm
Color Processing	1.07 billion colors, 1024 levels
Viewing Angle	160°
Filter Type	Anti-reflective
Scan Rate	Horizontal: 15.5 to 110.0 kHz auto, step scan Vertical: 51 to 120 Hz auto, step scan

SIGNAL COMPATIBILITY/CONNECTIVITY	
Supported Video Standards	PAL, SECAM, 3.58/4.43 NTSC, ATSC
SD/HD Video Signal Compatibility	480i, 480p, 525i, 525p, 540p, 625i, 625p, 720p, 1035i, 1080i, 1080p
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, UXGA, WideVGA (848x480, 852x480), WideXGA (1360x768)
Macintosh Compatibility	Yes

Input/Output Terminals	
RGB 1 (analog)	15-pin mini D-sub (common use with RGB out, selectable)
RGB 2 (analog)	5 BNC (RGB/HV) (common use with 5BNC Y/Pb/Pr input, selectable)
RGB 3 (digital)	24-pin DVI-D HDCP (EIA/CEA-861-A) compatible
Video 1	Composite BNC x 1 (common use with Video out, selectable)
Video 2	Composite RCA x 2
Video 3	S-Video 4-Pin DIN
HD Video 1	1 set RCA Component (Y,Pb,Pr/Y,Cb,Cr)
HD Video 2	1 set BNC Component (Y,Pb,Pr/Y,Cb,Cr) (common use with 5BNC Y/Pb/Pr input, selectable)
Audio	3 sets RCA stereo + external speaker jacks

Audio	Internal amplifier 8W x 2 output power
External Control	RS232, IR (IR loophthrough)
RGB Loop-out	Yes
Video Loop-out	Yes

ELECTRICAL	
Power Requirements	120-240V 50/60 Hz
Power Consumption	285W Typical
Standby Power	0.9W

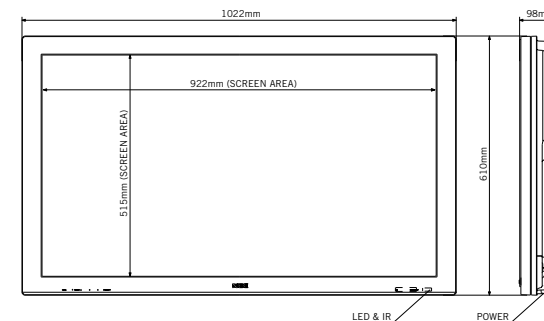
MECHANICAL	
Dimensions (WxHxD)	40.2 x 24.0 x 3.9 in, 1022 x 610 x 98mm
Net Weight	66.1 lbs, 30.0 kg
Regulations	FCC Class B, UL60950, CSA-E 60950, Argentine UL, NOM
Fan Noise	22dBA

•Stand pictured is an optional accessory and not included with plasma.

ENVIRONMENTAL	
Operating Temperature	32 - 104 degrees F (0 - 40 degrees C)
Operating Humidity	20 - 80%
Operating Altitude	0 - 8000 feet (0 - 2438m)
Storage Temperature	14 - 122 degrees F (-10 - 50 degrees C)
Storage Humidity	10 - 90%
Storage Altitude	0 to 9510 feet (0 - 2900m)
IN THE BOX	AC Power Cord, User Manual, Remote Control, Batteries, Cable Clamps

UNIQUE FEATURES	
Advanced AccuBlend	Ensures detailed images when non-native resolution sources are connected to the plasmas.
Phosphor Protection	7 modes - A comprehensive set of built-in modes protects your screen from image retention.
Enhanced Mass Area Superior Sampling (Enhanced MASS)	Eliminates jagged lines, removes color separation and improves detail for crystal clear images.
Crystal Clear Panel/Drive	Provides technology to improve brightness and contrast greater than 100% over previous models and also removes false contouring.
Advanced AccuCrimson™ Filter Technology	Produces vivid accurate colors by eliminating unwanted internal neon light emission
Color Tune Technology	Adjust individual colors without affecting white balance.
Closed Captioning	Yes
Matrix Capability	2X2, 3X3, 4X4, 5x5, 1X5, 5X1
Underscan Mode	Allows the complete image to be seen on the screen.
AMX Café Duet Protocol	Plug and Play system between NEC Plasma and AMX Controller allowing easier control system setup.
Dynamic Gamma Correction	Provides luminance enhancement to create a greater contrast ratio.
Improved Red Color Purity	With the newly designed AccuCrimson filter, Reds are improved over previous models.
Luminance Management	Provides Auto detection of static images and lowers the brightness to prevent image retention.
Timer Function	Programmable timer for virtual self-running operation. The Programmable timer has been upgraded for ease of use along with additional control to provide 10 separate timer functions.
Video Wall Capability	Built in image matrixing allows the video to be split into quadrants up to a 5x5 plasma wall. Now with the addition of 5x1 matrix capability, panoramic views can be shown with ease.
Enhancement of Text Ticker/Insert Function	Allows text from another source to be inserted over a portion of the active source in both landscape and portrait modes.

Dimensions



Accessories



Table Top Stand



Attachable Speakers



Input Terminal Cover



Fixed/Tilt Wall Mount Unit



Fixed Wall Mount



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 December 2005. Specifications may change without notice. The monitor may emit drive noise. This noise is not a defect in quality.

All specifications are subject to change without notice. All trademarks are the property of their respective owners.

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For more information call 131 632 from anywhere in Australia

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