

PlasmaSync™ Professional Series

42", 50" & 60" large-screen plasma displays ideal for corporate environments and video-intensive digital signage

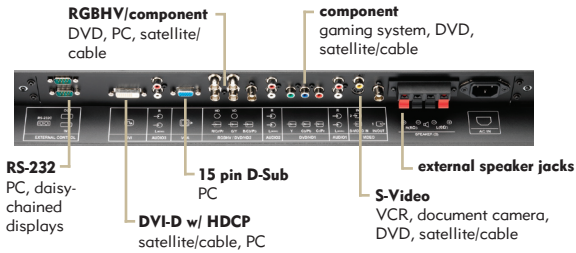
NEC's professional plasma displays provide superior video processing, expanded connectivity and exceptional reliability while delivering crystal-clear images every time.

VERSATILE FEATURES AND POWERFUL PERFORMANCE

- **Enhanced Motion Adaptive 3D Scan Conversion** provides optimized interpolation of moving video for a smoother image with greater detail and deeper blacks.
- **High-definition display** provides optimal resolution.
- **Superior video quality** allows for optimized interpolation of moving images for a smoother picture with greater detail and deeper blacks.
- **Comprehensive input panel, including DVI with HDCP inputs**, delivers the latest in digital connectivity.
- **Complete RS-232 input and output control** provides easy setup to control systems.
- **IR remote ID select** allows displays placed in close proximity to one another to have different IR transmissions so only one unit is controlled at a time (26 ID w/10 key remote functionality).
- **Video tiling capability** enables built-in image matrixing to be split into plasma walls (up to 25 displays in a 5x5 matrix) in addition to vertical and panoramic configurations.
- **Timer function** includes upgraded programmable timer for ease of use along with additional control to provide 10 separate timer functions.
- **Enhanced split screen** allows two sources to be displayed on the screen with each resulting window offering multiple configurations and size options.
- **VESA standard hole pattern** enables compatibility with universal mounts.
- **Text ticker/insert function** allows text from another source (i.e. PowerPoint) to be inserted over a portion of the active source. In landscape mode there are three text insert sizes at the top or bottom of the image. Additional features are a portrait mode setting, left and right mode, along with a sub-picture detect function for "TEXT insert".
- **AMX Café Duet Protocol** enables a Plug and Play system between NEC plasma and AMX controller, allowing easier control system setup.
- **Independent memory locations for each input** keeps picture and image settings stored.
- **Quiet operation** fan noise (less than 22dB) during normal operation and less than 1W when in "Stand-by" mode.
- **Color Tune technology** allows you to adjust individual colors without affecting white balance.
- **Advanced AccuBlend™** scales non-native resolutions to the native resolution of the display.
- **Underscan Mode** allows the complete image to be seen on the screen. In general video signals are overscanned.
- **Multiple aspect ratio control** allows flexibility with today's many source choices.
- **50,000-hour half-life** provides 17+ years at 8 hours a day viewing before reaching half the original brightness.
- **Power-efficient, environmentally friendly design** leads to increased brightness and low power consumption.
- **AccuShield Phosphor Protection system** provides a comprehensive toolset to safeguard the display from possible image retention.



Specifications for 42XP10, 50XP10 & 60XP10



UNIQUE FEATURES

Advanced AccuBlend™	Ensures detailed images when non-native resolution sources are connected to the projector.
Phosphor Protection	A comprehensive set of 5 modes that protect the display from image retention.
Color Tune Technology	Adjusts individual colors without affecting white balance.
Closed captioning	Yes
Video Tiling Capability	2X2, 3X3, 4X4, 5X5, 1X2, 1X3, 1X4, 1X5, 2X1, 3X1, 4X1, 5X1
Underscan Mode	In general, video signals are overscanned. When using an HTPC running a widescreen resolution (i.e. 720p) 5% of the image would be missing. Selecting the Aspect Ratio "Underscan" 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.
Gamma Correction	Provides luminance enhancement to create a greater contrast ratio.
Luminance Management	New addition to NEC industry-leading phosphor protection. 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.
Enhancement of Text Ticker/Insert Function	Text insert allowing text from another source (i.e. – PowerPoint) to be inserted over a portion of the active source. In landscape mode there are three text insert sizes at the top or bottom of the image. Additional features are a portrait mode setting, left and right mode, along with a sub-picture detect function for "TEXT insert".

PLASMA MODULE	
Screen Size (Diagonal)	42XP10 - 42" / 50XP10 - 50" / 60XP10 - 60"
Screen Aspect Ratio	16:9
Active Screen Area (WxH)	42XP10 - 36.3 x 20.4 in. / 921.5 x 519mm 50XP10 - 43.5 x 24.5 in. / 1104.9 x 622.3mm 60XP10 - 52 x 29.2 in. / 1320.8 x 741.68mm
Native Resolution	42XP10 - XGA 1024 x 768 50XP10 - WXGA 1366 x 768 60XP10 - WXGA 1366 x 768
Pixel Pitch	42XP10 - 0.900 / 0.676mm 50XP10 - 0.811mm square 60XP10 - 0.966mm square
Color Processing	1.07 billion colors, 1024 levels
Viewing Angle	180°
Half life	50,000 hours
Filter Type	Anti-reflective
SIGNAL COMPATIBILITY/CONNECTIVITY	
Scan Rate	
Horizontal	31 - 108.5 kHz auto, step scan
Vertical	24 - 120.4 Hz auto, step scan
Supported Video Standards	PAL, SECAM, 3.58/4.43 NTSC
SD/HD Video Signal Compatibility	480i, 480p, 525i, 525p, 540p, 625i, 625p, 720p, 1035i, 1080i
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, UXGA, WideVGA (848x480, 852x480), WideXGA (1360x768) Yes
Macintosh Compatibility	
Input/Output Terminals	
RGB 1 (digital)	24-pin DVI-D HDCP (EIA/CEA-861-A) compatible
RGB 2 (analog)	15-pin mini D-sub (common use with RGB out, selectable)
RGB 3 (analog)	5 BNC (RGB/HV) (common use with 5BNC Y/Pb/Pr input, selectable)
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)
Audio	3 sets RCA stereo + external speaker jacks
External Control	Internal amplifier, 8W x 2 output power
RGB Loop-out	RS232, IR
Video Loop-out	Yes
Yes	Yes
ELECTRICAL	
Power Requirements	120 - 240V 50/60 Hz
Power Consumption (typical)	42XP10 - TBD / 50XP10 - 370W / 60XP10 - 440W
Standby Power	< 1W
MECHANICAL	
Dimensions (WxHxD)	42XP10 - 40.8 x 25.4 x 5 in. / 1036 x 644 x 127mm 50XP10 - 48.1 x 29.3 x 5 in. / 1221 x 743 x 127mm 60XP10 - 57 x 34.3 x 5 in. / 1447 x 871 x 127mm
Net Weight	42XP10 - 81.6 lbs. / 37 kg 50XP10 - 112.4 lbs. / 51 kg 60XP10 - 157.6 lbs. / 71.5 kg
Regulations	UL/C-UL, VCCI (class2), PCT, C-tick, FCC CILASS B/CANADIAN DOC, CB Certificate (60950/60065), RoHS, TUV-S, TUV GS, WEEE, Harmonic JIS C 61000-3-2, PSE, CE
Fan Noise	< 22dB
ENVIRONMENTAL	
Operating Temperature	32-104°F (0-40°C)
Operating Humidity	20-80%
Operating Altitude	0-6562 ft. (0-2000m) / 60XP10 - 0-6160 ft. (0-1880m)
Storage Temperature	14-122°F (-10-50°C)
Storage Humidity	10-90%
Storage Altitude	0-9843 ft. (0-3000m) / 60XP10 - 0-9510 ft. (0-2900m)
WARRANTY	1 year parts and labor / 1 year plasma module
IN THE BOX	AC power cord, user manual, startup guide, remote control, batteries, cable clamps
ACCESSORIES	
SP-P42P1/SP-P50P1/SP-P60P1	Speakers
ST-P42P1/ST-P50P1/ST-P60P1	Stand

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Product specifications subject to change. 9/07 ver. 1.

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NEC Display Solutions

500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-INFO

NEC