

# PlasmaSync™ Residential Series

42", 50" & 60" large-screen plasma displays  
ideal for home theaters

Designed to fit seamlessly into your home, NEC's residential plasma displays deliver crystal-clear video performance.

## CRYSTAL-CLEAR IMAGES EVERY TIME

- **Enhanced Motion Adaptive 3D Scan Conversion** provides optimized interpolation of moving video for a smoother image with greater detail and deeper blacks.
- **Imaging Science Foundation (ISF) ISFccc certified calibration controls** provide settings for day and night viewing to ensure your image is set up properly for all viewing conditions.
- **Color Tune technology** allows you to adjust individual colors without affecting white balance.
- **Advanced AccuBlend™** converts non-native resolutions to the display's resolution.
- **Dynamic Gamma Correction** provides luminance enhancement to create a greater contrast ratio.



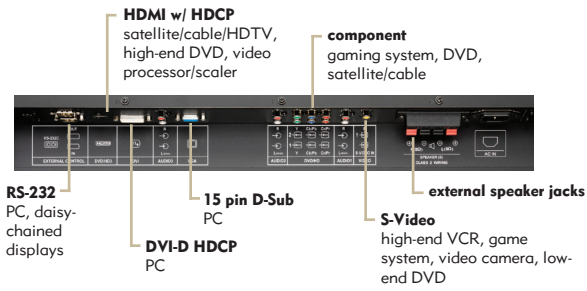
## DESIGNED SPECIFICALLY TO MEET YOUR CHANGING NEEDS AT HOME

- **Comprehensive input panel, including DVI and HDMI with HDCP inputs**, delivers the latest in digital connectivity.
- **Wider signal support** including 1080p and high resolution PC signals.
- **Enhanced picture in picture** allows two sources to be displayed on the screen at one time with multiple configurations and sizes available for both sources.
- **Complete RS-232 input and output control** provides easy setup to control systems.
- **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** keep picture and image settings stored.
- **Quiet operation** results from built-in temperature-controlled fans that operate at low noise levels in normal operation and "stand-by" mode.
- **Multiple aspect ratio control** allows flexibility with today's many source choices.
- **VESA standard hole pattern** enables compatibility with universal mounts.
- **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)

## EXCEPTIONAL PRODUCT RELIABILITY AND SERVICE

- **50,000 hour half-life** provides 20+ 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 42XC10, 50XC10 & 60XC10



### UNIQUE FEATURES

Advanced AccuBlend™	Ensures detailed images when non-native resolution sources are connected to the plasma.
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.
Color Tune Technology	Adjust individual colors without affecting white balance.
Closed captioning	Yes
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.
Split Screen / Picture-in-Picture	Yes

<b>PLASMA MODULE</b>	
Screen Size (Diagonal)	42XC10 - 42" / 50XC10 - 50" / 60XC10 - 60"
Screen Aspect Ratio	16:9
Active Screen Area (WxH)	42XC10 - 36.3 x 20.4 in. / 921.5 x 519mm 50XC10 - 43.5 x 24.5 in. / 1104.9 x 622.3mm 60XC10 - 52 x 29.2 in. / 1320.8 x 741.68mm
Native Resolution	42XC10 - XGA 1024 x 768 50XC10 - WXGA 1365 x 768 60XC10 - WXGA 1366 x 768
Pixel Pitch	42XC10 - 0.900 / 0.671mm 50XC10 - 0.81mm square 60XC10 - 0.966mm square
Color Processing	1.07 billion colors, 1024 levels
Viewing Angle	180°
Half life	50,000 hrs.
<b>SIGNAL COMPATIBILITY/CONNECTIVITY</b>	
Scan Rate	
Horizontal	31 - 108.5 kHz auto, step scan
Vertical	24 - 120.4 Hz auto, step scan
Supported Video Standards	PAL(B,G,N,M), PAL60, SECAM, 3.58/4.43 NTSC
SD/HD Video Signal Compatibility	480i, 480p, 525i, 525p, 720p, 1080i, 1080p
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, UXGA, WideVGA (848x480, 852x480), WideXGA (1360x768, 1365x768, 1366x768)
Macintosh Compatibility	Yes
Input/Output Terminals	
RGB 1 (analog)	24-pin DVI-D HDCP (EIA/CEA-861-A) compatible
RGB 2 (analog)	15-pin mini D-sub
Video 1	Composite RCA
Video 2	S-Video 4-Pin DIN
HD Video 1	1 set RCA Component (Y,Pb,Pr/Y,Cb,Cr)
HD Video 2	1 set RCA Component (Y,Pb,Pr/Y,Cb,Cr)
HD Video 3	HDMI w/ HDCP (Ver 1.2)
Audio	3 sets RCA stereo, HDMI
Audio External Control	Internal amplifier, 8W x 2 output power RS232, IR
<b>ELECTRICAL</b>	
Power Requirements	120 - 240V 50/60 Hz
Power Consumption	TBD
Standby Power	TBD
<b>MECHANICAL</b>	
Dimensions (WxHxD)	42XC10 - 40.8 x 25.6 x 5.1 in. / 1036 x 649 x 130mm 50XC10 - 48.1 x 29.4 x 5.1 in. / 1221 x 748 x 130mm 60XC10 - 57 x 34.5 x 5.1 in. / 1447 x 876 x 130mm
Net Weight	42XC10 - 99.2 lbs. / 45 kg 50XC10 - 131.2 lbs. / 59.5 kg 60XC10 - 186.3 lbs. / 84.5 kg
Regulations	UL/C-UL, PCT, C-tick, FCC CLASS B/CANADIAN DOC, CB Certificate (60950 / 60065), RoHS, TUV GS, WEEE, CE
Fan Noise	TBD
<b>ENVIRONMENTAL</b>	
Operating Temperature	32-104°F (0-40°C)
Operating Humidity	20-80%
Operating Altitude	0-6562 ft. (0-2000m)
Storage Temperature	14-122°F (-10-50°C)
Storage Humidity	10-90%
Storage Altitude	0-9843 ft. (0-3000m)
<b>WARRANTY</b>	3 years parts and labor / 1 year plasma module
<b>IN THE BOX</b>	AC Power Cord, User Manual, Start Up Guide, Remote Control, Batteries, Cable Clamps, PC Cable, Install CD
<b>ACCESSORIES</b>	
SP-P42C1/SP-P50C1/SP-P60C1	Speakers
ST-42C1/ST-50C1/ST-60C1	Stand