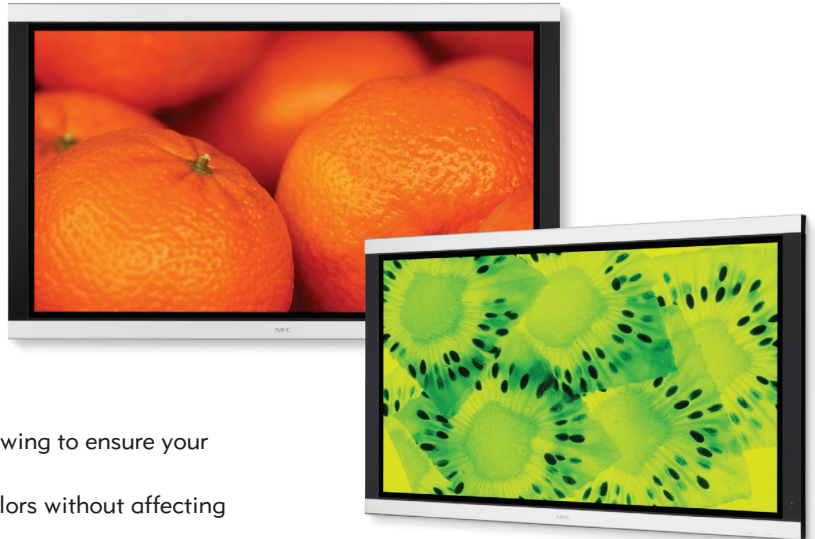# PlasmaSync™ Residential Series

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

° **High-definition display** reproduces brilliant colors, perfect whites and deeper blacks; sharpens text for easy reading; and optimizes contrast for viewing various content in any lighting condition

° **Enhanced Motion Adaptive 3D Scan Conversion** provides optimized interpolation of moving video for a near 3-D experience

° **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

° **Underscan Mode** allows the complete image to be seen on the screen. In general, video signals are overscanned.

° **Advanced AccuBlend**™ converts non-native resolutions to the display's resolution

° **Dynamic Gamma Correction** provides luminance enhancement to create a greater contrast ratio

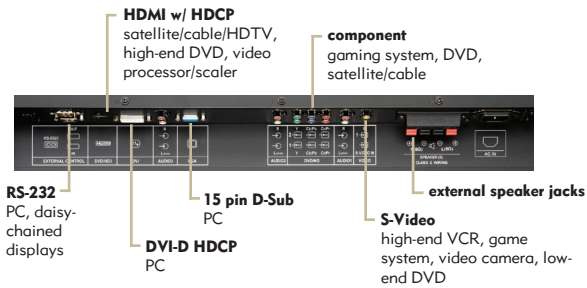° **High brightness level (up to 1500 cd/m²)** enhances the screen image for a remarkable visual experience

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 (PIP) and side-by-side** offer a variety of viewing configurations and options

° **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

° **High altitude support (up to 3000m/9842 ft.)** widens possibilities for installation sites

EXCEPTIONAL PRODUCT RELIABILITY AND SERVICE

° **3-year parts and labor/1-year plasma module warranty** provides peace of mind

° **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

NEC

HDMI w/ HDCP
satellite/cable/HDTV, high-end DVD, video processor/scaler

component
gaming system, DVD, satellite/cable

RS-232
PC, daisy-chained displays

15 pin D-Sub
PC

DVI-D HDCP
PC

S-Video
high-end VCR, game system, video camera, low-end DVD

external speaker jacks

UNIQUE FEATURES

Feature	Description
Advanced AccuBlend™	Ensures detailed images when non-native resolution sources are connected to the plasma.
Phospher Protection	5 modes - A comprehensive set of built-in modes protects your screen from image retention.
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.
Dynamic Gamma Correction	Provides luminance enhancement to create a greater contrast ratio.
Split Screen / Picture-in-Picture	Yes
Luminance Management	New addition to NEC industry-leading phosphor protection. Provides auto detection of static images and lowers the brightness to prevent image retention.

Specifications for 42XC10, 50XC10 & 60XC10

PLASMA MODULE	
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. / 922 x 519mm 50XC10 - 43.5 x 24.5 in. / 1105 x 622mm 60XC10 - 52 x 29.2 in. / 1321 x 742mm
Native Resolution	42XC10 - XGA 1024 x 768 50XC10 - WXGA 1365 x 768 60XC10 - WXGA 1366 x 768
Pixel Pitch	42XC10 - 0.9 / 0.676mm 50XC10 - 0.81mm square 60XC10 - 0.966mm square
Contrast Ratio	42XC10/50XC10 - 15,000:1 60XC10 - 10,000:1
Brightness	42XC10/50XC10 - 1500 cd/m^2 60XC10 - 1200 cd/m^2
Color Processing	1.07 billion colors, 1024 levels
Viewing Angle	180°
Half life	50,000 hrs.

SIGNAL COMPATIBILITY/CONNECTIVITY	
Scan Rate	
Horizontal	31 - 108.5 kHz auto, step scan
Vertical	24 - 120.4 Hz auto, step scan
Supported Video Standards	3.58/4.43 NTSC, PAL(B,G,N,M), PAL60, SECAM
SD/HD Video Signal Compatibility	480i, 480p, 525i, 525p, 540p, 576i, 625p, 720p, 1035i, 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 (digital)	24-pin DVI-D w/ 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 (Ver1.2)
Audio	3 sets RCA stereo, HDMI
Audio	Internal amplifier, 8W x 2 output power
External Control	RS232, IR

ELECTRICAL	
Power Requirements	120 - 240V 50/60 Hz
Power Consumption	42XC10 - 300W 50XC10 - 370W 60XC10 - 440W
Standby Power	42XC10 - < 1W 50XC10/60XC10 - < 5W

MECHANICAL	
Dimensions (WxHxD)	42XC10 - 40.8 x 25.4 x 5 in. / 1036 x 644 x 127mm 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 - 73.9 lbs. / 33.5 kg 50XC10 - 108 lbs. / 49 kg 60XC10 - 154.3 lbs. / 70 kg
Regulations	BSMI, CB Report (60950, 60065), CCC, CE (EU), C-tick B, DENAN (PSE mark), AC cable, FCC Class B/Canadian Doc B, GOST-R/PCT, IRAM or TUV/Argentina-S, Harmonic JIS C 61000-3-2, J-Moss (JIS C 0950; 50XC10/60XC10), NOM, PSB, RoHS (EU), RoHS (China), TISI, TUV Argentina S, TUV GS, TUV S, UL/C-UL or CSA (60950, 60065), VCCI (Class B), WEEE (EU)
Fan Noise	< 22dB

ENVIRONMENTAL	
Operating Temperature	32-104°F (0-40°C)
Operating Humidity	20-80%
Operating Altitude	0-3000m (0-9842 ft.)
Storage Temperature	14-122°F (-10-50°C)
Storage Humidity	10-90%
Storage Altitude	0-3000m (0-9842 ft.)

WARRANTY	
	3 years parts and labor / 1 year plasma module

IN THE BOX	
	AC Power Cord, User Manual, Start Up Guide, Remote Control, Batteries, Cable Clamps, PC Cable, Install CD

ACCESSORIES	
SP-P42C1/SP-P50C1/SP-P60C1	Speakers
ST-42C1/ST-60C1	Stand

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