

# Showcase Series™

42XR4, 50XR5 and 61XR4 digital plasma displays.



DIRECT SOURCE SELECT

ENHANCED PICTURE IN PICTURE

LONG LIFE > 60,000 HOURS

HDMI INPUTS

DESIGNED FOR ISF CALIBRATION

Designed to fit seamlessly into your home, NEC's residential entertainment plasma displays deliver crystal clear images every time.

## CRYSTAL CLEAR IMAGES EVERY TIME.

- **Crystal Clear Panel/Drive** provides technology to improve brightness 130% and contrast 100% over previous models and also removes false contouring (42XR4 only).
- **Capsulated Color Filter (CCF) and AccuCrimson Filter** technology produces the truest most vivid real to life colors (50XR5 and 61XR4).
- **Bonded Color Filter** technology that improves color, bright room contrast and sharpness while reducing the multiple image reflections possible with traditional filter technologies (42XR4 only).
- **Enhanced Motion Adaptive 3D Scan Conversion** provides error free interpolation for moving video resulting in a smooth image with greater detail.
- **Enhanced Mass Area Superior Sampling** accurately reproduces diagonal and curved lines with less "jaggies" and also eliminates color bleeds.
- **Multi-Field Noise Reduction** improves the reduction in visible image noise by looking at multiple fields for an average instead of looking at one field.
- **Imaging Science Foundation (ISF)** certified calibration controls provide calibration settings for day and night viewing making sure your image is setup 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 resolution of the display.
- **Enhanced Digital AccuDevice** allows for artifact and noise free video.
- **Gamma 12** provides the highest color processing in a plasma display at 68.7 billion colors (4096 steps) resulting in details in the dark areas like never seen before.

## DESIGNED SPECIFICALLY TO MEET THE CHANGING NEEDS AT HOME.

- **Complete Input Panel** including 2 HDMI w/HDCP (High-bandwidth Digital Content Protection) inputs providing the latest in digital connectivity.
- **IR Remote ID** select allowing units placed in close proximity with one another to have different IR transmissions so only one unit is controlled at a time.
- **Discrete input select** from IR remote.
- **IR Loop-through** provides flexibility through different remotes.
- **Wider signal support** including 1080p and High resolution PC signals.
- **Enhanced Split Screen/PIP** allowing different locations and sizes.
- **Complete RS-232 control** providing easy setup to control systems from AMX and Crestron.
- **Independent memory locations for each input** that keep picture and image settings stored. In addition 4 additional memory locations are available to store multiple sources connected to one input.
- **Sleep timer** for automatic shut off.
- **Quiet operation** (fan noise is only 22dB during normal operation).
- **Multiple aspect ratio control** allowing flexibility with today's many source choices.
- **NEC offers high altitude flexibility** as a standard feature (up to 9180 ft).

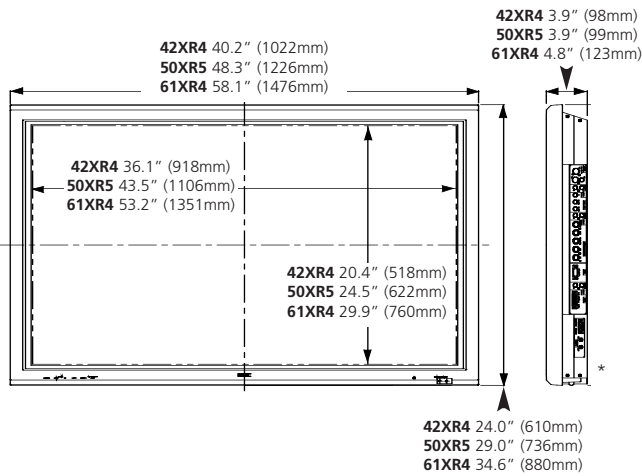
## TOUGH ENOUGH FOR EVEN THE MOST DEMANDING HOUSEHOLDS.

- **60,000 Half-Life** provides 20+ years at 8 hours a day viewing before reaching half the original brightness.
- **Unsurpassed product reliability and service.** Ranked #1 according to PAC Media Associates 2004 Annual Resellers Survey.
- **Low Power Consumption and environmentally friendly.** Provides a large display that is environmentally friendly consuming as little as 305W.
- **AccuShield Phosphor Protection system** provides a comprehensive toolset to safeguard the display from possible image retention.

*Because It's your Image*

**NEC**

Empowered by Innovation



\*42XR4 input panel located at the bottom of the unit.

## ADDITIONAL FEATURES

Advanced AccuBlend	Ensures detailed images when non-native resolution sources are connected to the projector.
Phosphor Protection	6 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, smoothes jagged lines and improves detail for crystal clear images.
Capsulated Color Filter™ (CCF) technology 50XR5, 61XR4	CCF delivers realistic color reproduction creating the greatest color space when plotted on the C.I.E. Chromaticity chart.
AccuCrimson™ Filter technology	Further enhances the effects of the CCF producing better reds and greens. (50XR5, 61XR4)
Color Tune Technology Gamma 12	Adjust individual colors without affecting white balance. Provides the highest color processing in a plasma display at 68.7 billion colors (4096 steps) resulting in increased detail never seen before... no matter what the viewing environment!
Enhanced Split Screen	Yes
Closed captioning	Yes

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## 42XR4, 50XR5 and 61XR4 digital plasma displays.

## SPECIFICATIONS

Model Number	PX-42XR4A, Diagonal Screen Size 42" PX-50XR5A, Diagonal Screen Size 50" PX-61XR4A, Diagonal Screen Size 61"	
Screen Aspect Ratio	16 to 9	
Active Screen Area	PX-42XR4A 36.1 x 20.4 in, 918 x 518 mm PX-50XR5A 43.5 x 24.5 in, 1106 x 622 mm PX-61XR4A 53.2 x 29.9 in, 1351 x 760 mm	
Native Pixel Resolution	PX-42XR4A XGA 1024 x 768 PX-50XR5A WXGA 1365 x 768 PX-61XR4A WXGA 1365 x 768	
Pixel Pitch	1.08 mm square	
Capsulated Color Filter	Yes	
AccuCrimson	Yes	
Front Filter Type	AR - Anti-reflective	
Color Processing	68.7 billion colors (4096 steps)	
Viewing Angle	160 degrees	
Horizontal Frequency Range	15.5 to 110.0 kHz auto, step scan	
Vertical Frequency Range	51 to 120 Hz auto, step scan	
PC Signal Compatibility	VGA, SVGA, XGA, SXGA, UXGA, WideVGA (848x480, 852x480), WideXGA (1360x768)	
Macintosh Compatibility	Yes	
Video Signal Compatibility	PAL, SECAM, 3.58/4.43 NTSC, ATSC	
SD/HD Video Signal Compatibility	480i, 480p, 525i, 525p, 540p, 625i, 625p, 720p, 1035i, 1080i, 1080p	
Input Terminals	RGB 1 (analog)	15-pin mini D-sub
	Video 1	Composite RCA x 1
	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	Digital HDMI with HDCP
	HD Video 4	Digital HDMI with HDCP
	Audio	3 sets RCA stereo + external speaker jacks
Audio	Internal amplifier, 8W x 2 output power	
External Control	RS232, IR(IR loophthrough)	
Power Requirements	120-240V 50/60 Hz	
Power Consumption	PX-42XR4A	305W Typical
	PX-50XR5A	435W Typical
	PX-61XR4A	540W Typical
Standby Power	0.9W	
Dimensions (WxHxD)	PX-42XR4A	40.2 x 24.0 x 3.9 in, 1022 x 610 x 98mm
	PX-50XR5A	48.3 x 29.0 x 3.9 in, 1226 x 736 x 99mm
	PX-61XR4A	58.1 x 34.6 x 4.8 in, 1476 x 880 x 123mm
Weight	PX-42XR4A	59.5 lbs., 27.6 kg
	PX-50XR5A	97.9 lbs., 44.5 kg
	PX-61XR4A	134.2 lbs., 61.0 kg
Environmental Considerations	Operating Temperature	32 - 104 degrees F (0 - 40 degrees C)
	Operating Humidity	20 - 80%
	Operating Altitude	0 - 9180 feet (0 - 2800m)
	Storage Temperature	14 - 122 degrees F (-10 - 50 degrees C)
	Storage Humidity	10 - 90%
	Storage Altitude	0 to 9840 feet (0 - 3000m)
Warranty	3 Years Parts & Labor/1 year plasma module	
Regulatory	FCC Class B, UL6500, CSA60065	
Included Accessories	AC Power Cord, User Manual, Remote Control, Batteries, Cable Clamps	



For more information, call 1.800.NEC.INFO  
or visit [www.necvisualsystems.com](http://www.necvisualsystems.com)

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