

Showcase Series™

42XR5, 50XR6 and 60XR5 digital plasma displays.



42XR5 AND 50XR6 PLASMAS SHIPPING EARLY 2007

HIGH CONTRAST

LOW POWER CONSUMPTION

BEST IN CLASS IMAGE QUALITY

COMPREHENSIVE INPUT PANEL

LONG LIFE > 60,000 HOURS

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 and contrast greater than 100% over previous models and also removes false contouring.
- **Improved Red Color Purity** with the newly designed AccuCrimson filter enables reds to be improved over previous models.
- **Bonded Color Filter** (42XR5 & 50XR6 only) technology that improves color, bright room contrast and sharpness while reducing the multiple image reflections possible with traditional filter technologies.
- **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** reduces visible noise by looking at the video field before and after the active video field and averages the fields together rather than looking only at the active video field.
- **Imaging Science Foundation (ISF)** ISFccc 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.
- **Dynamic Gamma Correction** provides luminance enhancement to create a greater contrast ratio.

DESIGNED SPECIFICALLY TO MEET THE CHANGING NEEDS AT HOME.

- **Complete Input Panel** including HDMI w/HDCP (High-bandwidth Digital Content Protection).
- **IR Loop-through** provides IR flexibility by allowing the plasma unit to receive IR commands from other device remotes and pass them through to the device.
- **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 control** providing 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 that keep picture and image settings stored.
- **Quiet operation** only 22dB normal operation and less than 1W when in "Stand-by" mode.
- **Underscan Mode** allows the complete image to be seen on the screen. In general video signals are overscanned.
- **Multiple aspect ratio control** allowing flexibility with today's many source choices.

EXCEPTIONAL PRODUCT RELIABILITY AND SERVICE.

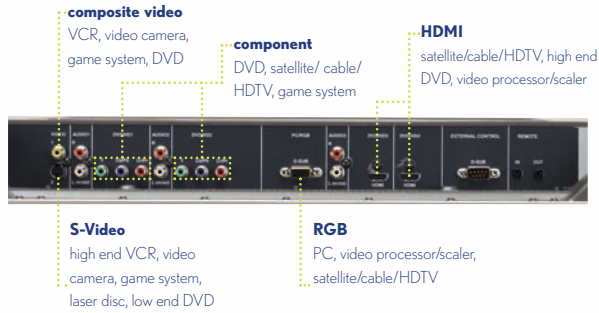
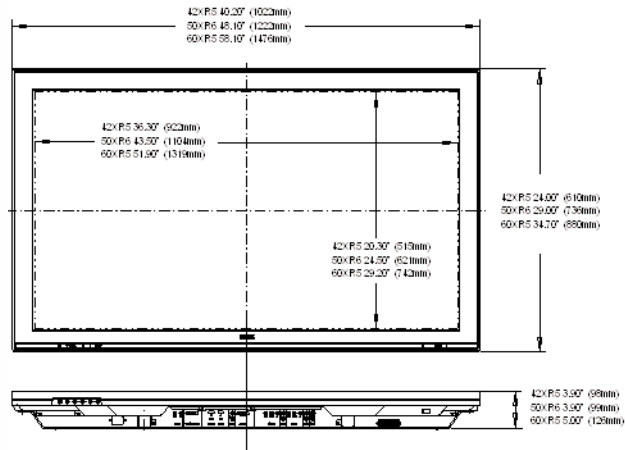
- **60,000 Half-Life** provides 20+ years at 8 hours a day viewing before reaching half the original brightness.
- **NEC ranks #1 in product reliability and service** according to Pacific Media Associates 2005 Annual Resellers Survey.
- **Low Power Consumption** due to a new power efficient design while increasing brightness. Thus providing a large display that is environmentally friendly consuming as little as 285W.
- **AccuShield Phosphor Protection system** provides a comprehensive toolset to safeguard the display from possible image retention.

Because it's your image.

NEC

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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.
Bonded Color Filter	Technology that improves color, bright room contrast and sharpness while reducing the multiple image reflections
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
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.

*60,000 hour panel life is an approximate time for the display panel to reach half of its original brightness. The panel life is based on motion video as the input source and all display settings at factory default. This time may vary if the source varies and monitor settings are not at factory default. The time given does not imply any warranty beyond the products standard warranty.

For more information, call 1.800.NEC.INFO or visit www.necvisualsystems.com

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PLASMA MODULE

Screen Size (Diagonal)	PX-42XR5A	42"
	PX-50XR6A	50"
	PX-60XR5A	60"
Screen Aspect Ratio	16 to 9	
Active Screen Area	42XR5	36.3 x 20.3 in, 922 x 515 mm
	50XR6	43.5 x 24.4 in, 1104 x 621 mm
	60XR5	51.9 x 29.2 in, 1319 x 742 mm
Native Resolution	42XR5	XGA 1024 x 768
	50XR6/ 60XR5	WXGA 1365 x 768
Pixel Pitch	42XR5	0.900/0.671 mm
	50XR6	0.81 mm square
	60XR5	0.97 mm square
Color Processing	1.07 billion colors, 1024 levels	
Viewing Angle	160°	
Filter Type	Anti-reflective	

SIGNAL COMPATIBILITY/CONNECTIVITY

Scan Rate	Horizontal	29.5 to 80.0 kHz auto, point scan
	Vertical	56 to 85 Hz auto, point scan
Supported Video Standards	PAL(B,G,N,M), PAL60, 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
	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 (Ver1.1)
	HD Video 4	HDMI w/HDCP (Ver1.1)
	Audio	3 sets RCA stereo
Audio	Internal amplifier 42XR5: 8W x 2 output power; 50XR6/60XR5: 9W x 2 output power	
External Control	RS232, (IR loop-through)	

ELECTRICAL

Power Requirements	110-120V 60 Hz	
Power Consumption	42XR5	285W Typical
	50XR6	340W Typical
	60XR5	440W Typical
Standby Power	42XR5: 0.9W; 50XR6/ 60XR5: 1.0W	

MECHANICAL

Dimensions (WxHxD)	42XR5	40.2 x 24.0 x 3.90 in, 1022 x 610 x 98 mm
	50XR6	48.1 x 29.0 x 3.90 in, 1222 x 736 x 99 mm
	60XR5	58.1 x 34.7 x 5.00 in, 1476 x 880 x 126 mm
Net Weight	42XR5	59.5 lbs., 27.0 kg
	50XR6	78.3 lbs., 35.5 kg
	60XR5	135.6 lbs., 61.5 kg
Regulations	FCC Class B, UL6500, CSA E60065-00	
Fan Noise	22dBA	

ENVIRONMENTAL

Operating Temperature	32° - 104° F (0° - 40° C)
Operating Humidity	20 - 80%
Operating Altitude	0 - 6160 feet (0 - 1880m)
Storage Temperature	14 - 122° F (-10 - 50° C)
Storage Humidity	10 - 90%
Storage Altitude	0 to 9510 feet (0 - 2900m)

WARRANTY

3 Years Parts & Labor/1 year plasma module

IN THE BOX

ACCESSORIES

PX-SP4U/S	Silver Speakers for 42XR5, 50XR6 and 60XR5
PX-SP4U/B	Black Speakers for 42XR5, 50XR6 and 60XR5
PX-ST4U	42" and 50" Tabletop Swivel Stand
PX-61ST2U	60" Tabletop Stand
4250WVK	Fixed and Tilt wall mount for 42XR and 50XR models
61WVK	Fixed and Tilt wall mount for 60XR
CMK	Ceiling mount for 42XR and 50XR models
61CMK	Ceiling mount for 60XR

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