

# Showcase Series™ Home Entertainment Plasma Displays



## 42VR5, 42XR3, 50XR4 and 61XR3

Make every seat the best in the house.

vivid.

### Crystal clear larger than life images

- **Best in class image quality.** NEC plasma displays provide a superior image every time. The NEC 61" plasma display has received the DisplayMate "Five-Star" Best Video Hardware Award and PC Magazine Editor's Choice Award.
- **Capsulated Color Filter (CCF) and AccuCrimson Filter** technology produces the truest most vivid real to life colors.
- **Advanced AccuBlend™** converts non-native resolutions to the resolution of the display for flawless images.
- **Digital AccuDevice** allows for digital video processing for artifact and noise free video.
- **Mass Area Superior Sampling (MASS)** makes certain that your video is reproduced in a clear, precise way by eliminating jaggies and color bleeds.
- **Color Tune Technology** allows you to adjust individual colors without affecting the white balance. Fine tune the blues in skies or the greens in the trees.
- **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.
- **High brightness and contrast.** Allows for commanding video in most viewing environments.

adaptable.

### Designed specifically to meet the changing needs at home

- **Unique PIP functionality.** Allows for different PIP locations as well as size options and aspect ratios.
- **Sleep timer.** Allows for automatic shut off.
- **Extensive connections** to virtually any source including a satellite receiver, DVD, VCR, computer, video games and more.
- **DVI with HDCP** allows you to display HD content that is protected.
- **Closed captioning**
- **Place anywhere.** Fits into any space seamlessly with multiple screen sizes (42", 50", 61").
- **Compliment any room.** NEC provides a full assortment of accessories.
- **Direct source selection from remote.**
- **Multiple aspect ratio modes.** Display the image based on the source or viewer's preference.
- **NEC offers high altitude flexibility** as a standard feature (up to 9180 ft).
- **Extremely quiet operation.** Listen to your movie, not your equipment.

reliable.

### Tough enough to meet the requirements of demanding households

- **Long lasting** up to 60,000 hour life (that's 20 years, 8 hours a day!)
- **Unsurpassed product reliability and service.** Ranked #3 by PAC Media for product quality/reliability and product warranty repair/return programs.
- **Low power consumption.** Displays that consume as little as 270 watts.
- **AccuShield phosphor protection system** with the most comprehensive set of built-in modes to safeguard screen from phosphor-based image retention.

see back for details on NEC's  
**REAL WORLD**  
CONTRAST MEASUREMENTS

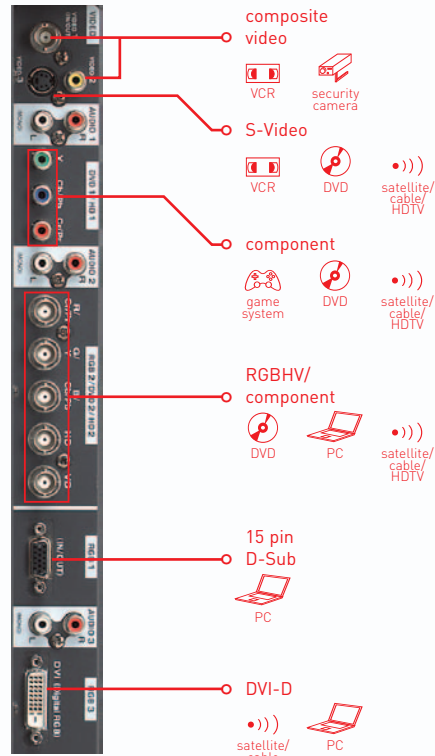
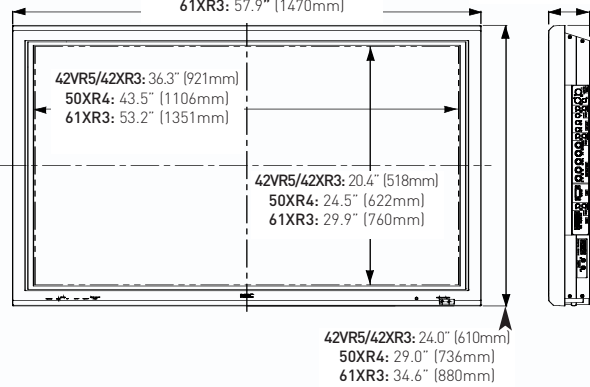
\*60,000 hour panel life is an approximate time for the display panel to reach half of its original brightness. The panel life is based on motion video as the input source and all display settings at factory default. This time may vary if the source varies and monitor settings are not at factory default.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

Empowered by Innovation

**NEC**

42VR5/42XR3: 40.1" [1018mm]  
50XR4: 48.1" [1222mm]  
61XR3: 57.9" [1470mm]

42VR5/42XR3: 3.5" [89mm]  
50XR4: 3.8" [96mm]  
61XR3: 4.7" [119mm]



### Contrast measurements for the real world.

NEC's contrast measurements reflect true-to-life viewing conditions. NEC has engineered plasma displays that are optimized for "real world" conditions such as an office, school, airport, shopping mall or home, so users are assured more accurate image depth and detail.

To date, the plasma display market does not follow a consistent standard to determine contrast ratio ratings with most measurements taken in unrealistically dark viewing conditions.

NEC is setting the standard for high contrast plasma displays used in real world applications. This standard is validated by the PlasmaSync 61XM2's Five-Star DisplayMate Best Video Hardware Award. According to Dr. Raymond Soneira, President of DisplayMate Technologies, "The NEC 61XM2 Plasma monitor delivered impressive image and picture quality for both computer and video applications. Performance in both the laboratory tests and viewing tests was outstanding. The colors were bright, saturated and an excellent match to our professional studio reference monitor."

### Service and Support

The PlasmaSync displays are supported by NEC's industry leading service and support programs. They come with a standard 3 year limited manufacturer's warranty.

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

NEC is a registered trademark of NEC Corporation. All other trademarks are the property of their respective owners. All specifications subject to change without notice.

NEC Solutions (America), Inc.  
Visual Systems Division  
1250 Arlington Heights Rd., Suite 400  
Itasca, IL 60143-1248



# Showcase Series

## 42VR5, 42XR3, 50XR4 and 61XR3

### Specifications

Model and Order Codes	42VR5: PX-42VR5A 42XR3: PX-42XR3A 50XR4: PX-50XR4A 61XR3: PX-61XR3A
Diagonal Screen Size	42VR5 and 42XR3: 42" 50XR4: 50" 61XR3: 61"
Screen Aspect Ratio	16 to 9
Active Screen Area	42VR5 and 42XR3: 36.3 in x 20.4 in, 921mm x 518 mm 50XR4: 43.5 in x 24.5 in, 1106 mm x 622 mm 61XR3: 53.2 in x 29.9 in, 1351 mm x 760 mm
Native Pixel Resolution	42VR5: 853 x 480 42XR3: 1024 x 768 50XR4 and 61XR3: 1365 x 768
Pixel Pitch	42VR5: 1.08 mm square 42XR3: 0.897mm x 0.675mm 50XR4: 0.81mm x 0.81mm 61XR3: 0.99mm x 0.99mm
Capsulated Color Filter	Yes
Accurimion	Yes
Picture-in-Picture/Enhanced Split Screen	50XR4 and 61XR3
Color Processing	68.7 billion colors, 4096 levels
Viewing Angle	160 degrees
Horizontal Frequency Range	15.5 to 110.0 kHz auto, step scan
Vertical Frequency Range	50 to 120 Hz auto, step scan
HD Video Signal Compatibility	480p 480i, 525p, 525i, 540p, 625p, 625i, 720p, 1035i, 1080i
Video Signal Compatibility	PAL, SECAM, 3.58/4.43 NTSC
PC Signal Compatibility	VGA 640x480 @ 60, 72, 75, 85, 100, 120 Hz SVGA 800x600 @ 56, 60, 72, 75, 85, 100, 120 Hz XGA 1024x768 @ 60, 70, 75, 85, 100 Hz SXGA 1280x1024 @ 60, 75, 85, 100 Hz UXGA 1600x1200 @ 60, 65, 70, 75, 85 Hz WideVGA 848x480, 852 x 480 @ 60 Hz WideXGA 1360 x 765 @60 Hz, 1280 x 768 @ 60Hz
Macintosh Compatibility	640x480, 832x624, 1024x768, 1152x870
Input/Output Terminals	RGB 1 (analog) 15-pin mini D-sub (common use with RGB out, selectable) RGB 2 (analog) 5 BNC (RGB/HV) (common use with 5BNC Y/Pb/Pr input, selectable) RGB 3 (digital) 24-pin DVI-D HDCP (EIA/CEA-861-A) compatible Video 1 Composite BNC x 1 (common use with Video out, selectable) Video 2 Composite RCA x 1 Video 3 S-Video 4-Pin DIN HD Video 1 1 set RCA Component (Y,Pb,Pr/Y,Cb,Cr) HD Video 2 1 set BNC Component (Y,Pb,Pr/Y,Cb,Cr) (common use with 5BNC Y/Pb/Pr input,selectable)
Audio	3 sets RCA stereo + external speaker jacks
Internal amplifier	8W x 2 output power
External Control	9-pin mini D-Sub, RS232
Power Requirements	120V 50/60 Hz
Power Consumption	42VR5 – 270W Typical, 4.6 Amp Maximum; 42XR3 – 300W Typical, 5.2 Amp Maximum; 50XR4 – 425W Typical, 7.6 Amp Maximum; 61XR3 – 540W Typical, 8.0 Amp Maximum
Standby Power	0.9W
Dimensions (WxHxD)	42VR5 – 40.1x24.0x3.5", 1018x610x89mm; 42XR3 – 40.1x24.0x3.5", 1018x610x89mm; 50XR4 – 48.1x29.0x3.8", 1222x736x96mm; 61XR3 – 57.9x34.6x4.7", 1470x880x119mm
Weight	42VR5 – 63.0 lbs., 28.5 kg; 42XR3 – 65.0 lbs., 29.5 kg; 50XR4 – 96.4 lbs., 43.8 kg; 61XR3 – 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, HDMI to DVI adaptor

### Optional Accessories

Tabletop Stand	42"/50" – PX-ST1U/S; 61" – PX-61ST1U/S
Attachable Speakers	42"/50" – PX-42SP1U/S; 50" – PX-50SP1U/S; 61" – PX-61SP1U/S
Input Terminal Cover	42" – PX-CV1U; 50"/61" – PX-CV2U
Stand Plug	42" – PX-PL1U
Fixed Wall Mount	42"/50" – FWMK; 61" – 61FWMK
Tilt Wall Mount	42"/50" – TWMK; 61" – 61TWMK
Ceiling Mount	42"/50" – CMK; 61" – 61CMK

Empowered by Innovation

