

# ***PX-42XR3A***

## **Model Information**


For the operation of your plasma monitor,  
refer to "Operation Manual".

# **NEC**

NEC Solutions (America), Inc.

# IMPORTANT SAFETY INSTRUCTIONS

## Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead or mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: [www.eiae.org](http://www.eiae.org).
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
  - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
  - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall Mounting** - The appliance should be mounted to a wall only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70- 1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode.
21. **Objects and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.


Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

### WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

# PRÉCAUTIONS IMPORTANTES DE SÉCURITÉ

## A lire avant de faire fonctionner l'appareil

1. Lire ces instructions.
2. Garder ces instructions.
3. Respecter tous les avertissements.
4. Suivre toutes les instructions.
5. Ne pas utiliser cet appareil près de l'eau.
6. Nettoyer seulement avec un chiffon sec.
7. Ne pas boucher les ouvertures d'aération. Installer selon les instructions du fabricant
8. Ne pas installer près d'une source de chaleur telle qu'un radiateur, une bouche de chauffage, une cuisinière ou d'autre matériel (y compris des amplificateurs) qui produit de la chaleur.
9. Ne pas contourner la sécurité fournie par la fiche polarisée ou la fiche de mise à la terre. Une fiche polarisée possède deux lames dont une plus large que l'autre. Une fiche de mise à la terre possède deux lames et une broche de mise à la terre. La lame large ou la broche est fournie pour votre sécurité. Lorsque la fiche fournie ne va pas dans la prise, demander à un électricien de remplacer la prise démodée.
10. Protéger le cordon d'alimentation en ne pas marcher dessous ni le coinçant, en particulier près des fiches, des prises et de l'endroit où le cordon rejoint de l'appareil.
11. N'utiliser que des accessoires préconisés par le fabricant.
12.  Utiliser seulement avec un chariot, meuble, trépied, support ou table spécifié par le fabricant ou vendu avec l'appareil. En utilisant un chariot, au moment de déplacer le chariot/téléviseur, bien faire attention pour éviter des blessures dues au renversement éventuel.
13. Débrancher cet appareil pendant des orages ou lorsqu'il ne sera pas utilisé pendant longtemps.
14. Consulter un technicien agréé de service après vente pour toute réparation. Le service après vente est nécessaire lorsque l'appareil a été endommagé de quelque façon que ce soit, telle que lorsque le cordon d'alimentation ou la fiche est endommagé, du liquide renversé, un objet tombé dans l'appareil, l'exposition de l'appareil à la pluie ou l'humidité, lorsque l'appareil ne fonctionne pas normalement ou lorsqu'on a laissé tomber l'appareil.
15. Ce produit peut contenir un plomb ou du mercure. La mise à rebut de ces matières pourrait être réglementée pour des raisons de protection de l'environnement. Pour s'informer sur la mise à rebut ou le recyclage, veuillez se mettre en contact avec les autorités locales ou l'Electronic Industries Alliance: [www.eiae.org](http://www.eiae.org).
16. **Dommages qu'il faut faire réparer** - Il faut faire réparer l'appareil par un technicien qualifié lorsque:
  - A. Le cordon d'alimentation en électricité ou la fiche a été endommagé; ou
  - B. On a laissé tomber des objets ou du liquide dans l'appareil;
  - C. On a exposé l'appareil à la pluie; ou
  - D. L'appareil ne paraît pas marcher normalement ou présente de grands changements d'opération; ou
  - E. On a laissé tomber l'appareil ou endommager le coffret.
17. Tous les téléviseurs doivent être conformes aux normes inter-nationales de sécurité préconisées pour les propriétés de stabilité et d'inclinaison dans la conception des meubles.
  - Ne pas compromettre ces normes de conception en tirant excessivement sur le devant ou le haut du meuble, ce qui risque éventuellement de renverser le produit.
  - De plus, ne pas se mettre en danger, ni mettre les enfants en danger en plaçant du matériel électronique ou des jouets sur le meuble. De tels articles pourraient tomber malencontreusement du haut du téléviseur et endommager le produit et/ou blesser des gens.
18. **Montage au mur ou au plafond** - Il faut monter l'appareil à un mur ou plafond uniquement en suivant les recommandations du fabricant.
19. **Lignes de transmission** - Il faut situer une antenne extérieure à l'écart des lignes de transmission d'électricité.
20. **Mise à terre de l'antenne extérieure** - Si une antenne extérieure est reliée au récepteur, assurez-vous que le système d'antenne est bien mis à la terre pour protéger contre les sauts de tension et l'accumulation des charges d'électricité statique.

La section 810 du National Electric Code, ANSI/NFPA No. 70-1984, fournit des renseignements sur la mise à la terre du mât et de sa structure de soutien, du fil d'entrée à un appareil de décharge/antenne, sur la grosseur des conducteurs de mise à terre, sur l'emplacement d'un appareil de décharge/antenne, sur la mise à la terre vers les électrodes de terre, ainsi que sur les recommandations sur les électrodes de terre.
21. **Entrée des objets et des liquides** - Evitez de laisser tomber des objets ou des liquides par les ouverture de l'enclos.

Ne pas exposer l'appareil aux projections ou aux écoulement d'eau et ne jamais poser un récipient contenant du liquide, un vase par exemple, sur l'appareil.

### AVERTISSEMENT

Pour réduire les risques d'incendie ou d'électrocution, ne jamais exposer cet appareil à la pluie ou à l'humidité.

# Important Information

## Warning

Not for use in a computer room as defined in the Standard for the Protection of Electronic Computer/ Data Processing Equipment ANSI/NFPA 75.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

## NOTE:

When you connect a computer to this monitor, use an RGB cable including the ferrite core on both ends of the cable. And regarding DVI and power cable, attach the supplied ferrite cores. If you do not do this, this monitor will not conform to mandatory FCC standards.

Attaching the ferrite cores:

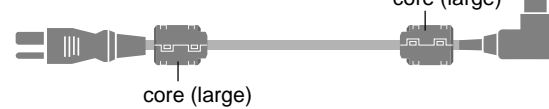
Set the ferrite cores on both ends of the DVI cable (not supplied), and both ends of the power cable (supplied). Close the lid tightly until the clamps click.

Use the band to fasten the ferrite core (supplied) to the DVI cable.

DVI cable (not supplied)



Power cable (supplied)



## Caution

This model is for use with the following optional accessories. Use with other optional accessories is capable of resulting in instability causing possible injury.

Manufacturer's name: NEC Plasma Display Corporation  
Speakers: PX-42SP1U, PX-42SP1U/S  
Stand: PX-ST1U, PX-ST1U/S, PX-42VM1U-ST

Please contact NEC Solutions (America), Inc. for approved optional accessories.

# Recommandations importantes

## Avertissement

Ne pas utiliser dans une salle d'ordinateurs telle que définie dans la Norme pour la protection des ordinateurs électroniques/appareils de traitement des données ANSI/NFPA75.

## DOC avis de conformation

Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.

## Attention

Cet modèle est fait pour être utilisé avec les accessoires optionnels suivants. Toute utilisation avec d'autres accessoires optionnels peut entraîner une instabilité pouvant causer des blessures.

Nom du fabricant: NEC Plasma Display Corporation  
Enceintes: PX-42SP1U, PX-42SP1U/S  
Support: PX-ST1U, PX-ST1U/S, PX-42VM1U-ST

Veillez contacter NEC Solutions (America), Inc. pour connaître les accessoires optionnels approuvés par NEC.

### REMARQUE:

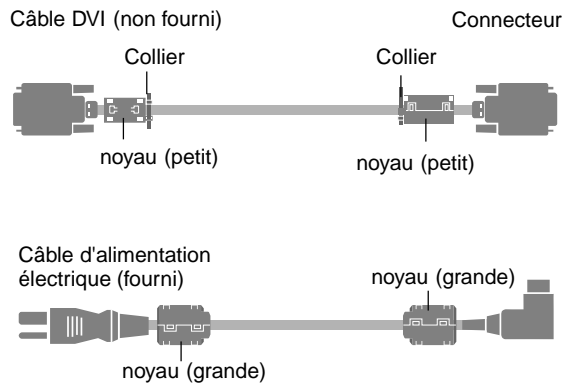
Pour raccorder un ordinateur à ce moniteur, procéder à l'aide d'un câble RGB à âme de ferrite aux deux extrémités. Sur les câbles DVI et les câbles d'alimentation électrique, fixer les âmes de ferrite fournies aux extrémités. Si vous ne le faites, le moniteur ne sera pas en conformité avec les exigences des standards FCC.

Fixation des noyaux en ferrite.

Monter les tores en ferrite aux deux extrémités du câble DVI (non fourni) et aux deux extrémités du câble d'alimentation électrique (fourni).

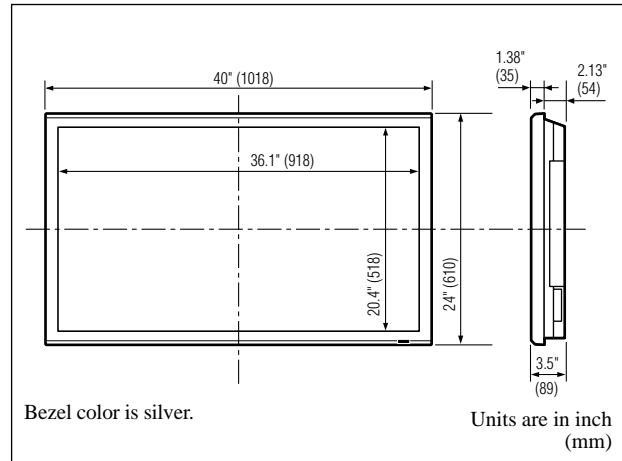
Fermez doucement le couvercle jusqu'à ce que les crans se clipsent.

Fixer le tore en ferrite (fourni) au câble DVI à l'aide d'un collier.



# Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Screen Size</b>                  | 36.1"(H) × 20.4"(V) inches<br>918(H) × 518(V) mm<br>diagonal 42"  |
| <b>Aspect Ratio</b>                 | 16 : 9  |
| <b>Resolution</b>                   | 1024(H) × 768(V) pixels   |
| <b>Pixel Pitch</b>                  | 0.036"(H) × 0.027"(V) inches<br>0.897(H) × 0.675(V) mm  |
| <b>Color Processing</b>             | 4,096 steps, 68.7 billion colors  |
| <b>Signals</b>                      |   |
| Synchronization Range               | Horizontal : 15.5 to 110 kHz<br>(automatic : step scan)<br>Vertical : 50.0 to 120.0 Hz<br>(automatic : step scan)   |
| Input Signals                       | RGB, NTSC (3.58/4.43), PAL (B,G,M,N),<br>PAL60, SECAM, HD* <sup>1</sup> , DVD* <sup>1</sup> , DTV* <sup>1</sup>   |
| <b>Input Terminals</b>              |   |
| <b>RGB</b>                          |   |
| Visual 1 (Analog)                   | mini D-sub 15-pin × 1   |
| Visual 2 (Analog)                   | BNC (R, G, B, H/CS, V) × 1* <sup>2</sup>  |
| Visual 3 (Digital)                  | DVI-D 24-pin × 1* <sup>3</sup>  |
| <b>Video</b>                        |   |
| Visual 1                            | BNC × 1* <sup>2</sup>   |
| Visual 2                            | RCA-pin × 1   |
| Visual 3                            | S-Video: DIN 4-pin × 1  |
| <b>DVD/HD/DTV</b>                   |   |
| Visual 1                            | RCA-pin (Y, PB[CB], PR[CR]) × 1* <sup>1</sup>   |
| Visual 2                            | BNC (Y, PB[CB], PR[CR]) × 1* <sup>1, *2</sup>   |
| Visual 3                            | DVI-D 24-pin × 1* <sup>3</sup>  |
| <b>Audio</b>                        | Stereo RCA × 3(Selectable)  |
| <b>External Control</b>             | D-sub 9-pin × 1(RS-232C)  |
| <b>Sound output</b>                 | 8W+8W at 6 ohm  |
| <b>Power Supply</b>                 | AC100-240V 50/60Hz  |
| <b>Current Rating</b>               | 5.2A (maximum)  |
| <b>Power Consumption</b>            | 305W (typical)  |
| <b>Dimensions</b>                   | 40 (W) × 24 (H) × 3.5 (D) inches<br>1018 (W) × 610 (H) × 89(D) mm   |
| <b>Weight</b>                       | 65.0 lbs / 29.5 kg (without stand)  |
| <b>Environmental Considerations</b> |   |
| Operating Temperature               | 0°C to 40°C / 32°F to 104°F   |
| Humidity                            | 20 to 80% (no condensation)   |
| Altitude                            | 0 to 9180 feet / 0 to 2800 m  |
| Storage Temperature                 | -10°C to 50°C / 14°F to 122°F   |
| Humidity                            | 10 to 90% (no condensation)   |
| Altitude                            | 0 to 9840 feet / 0 to 3000 m  |
| <b>Front Panel User Controls</b>    | Power on/off, Input source select,<br>Volume up/down, OSM control   |
| <b>Remote Control Functions</b>     | Power on/off, Input source select, OSM<br>control, Volume up/down, Cursor (UP,<br>DOWN, LEFT, RIGHT), Zoom up/down,<br>Picture control buttons  |
| <b>OSM Functions</b>                | PICTURE (PICTURE MEMORY/CONTRAST/<br>BRIGHTNESS/SHARPNESS/COLOR/TINT/<br>NR/COLOR TEMP./WHITE BALANCE/<br>GAMMA/LOW TONE/SET UP LEVEL/COLOR<br>TUNE/CINEMA MODE/PICTURE MODE),<br>AUDIO (BASS/TREBLE/BALANCE/AUDIO<br>INPUT1/AUDIO INPUT2/AUDIO INPUT3),<br>IMAGE ADJUST (ASPECT MODE/V-<br>POSITION/H-POSITION/V-HEIGHT/H-<br>WIDTH/AUTO PICTURE/FINE PICTURE/<br>PICTURE ADJ.),<br>SET UP (LANGUAGE*/BNC INPUT/D-SUB<br>INPUT/HD SELECT/RGB SELECT/DVI SET<br>UP/COLOR SYSTEM/BACK GROUND/GRAY<br>LEVEL/S1/S2/DISPLAY OSM/OSM ADJ./ALL<br>RESET), FUNCTION (POWER MGT./INPUT<br>SKIP/PDP SAVER [PEAK BRIGHT / ORBITER<br>/ INVERSE/WHITE / SCREEN WIPER / SOFT<br>FOCUS / OSM ORBITER / OSM CONTRAST]/<br>CLOSED CAPTION/CAPTION CONT),<br>SIGNAL INFO. |



The features and specifications may be subject to change without notice.

#### \*<sup>1</sup>HD/DVD/DTV input signals supported on this system

|               |               |               |
|---------------|---------------|---------------|
| 480P (60 Hz)  | 480I (60 Hz)  | 525P (60 Hz)  |
| 525I (60 Hz)  | 576P (50 Hz)  | 576I (50 Hz)  |
| 625P (50 Hz)  | 625I (50 Hz)  | 720P (60 Hz)  |
| 1035I (60 Hz) | 1080I (50 Hz) | 1080I (60 Hz) |

\*<sup>2</sup>The 5-BNC connectors are used as RGB/PC2 and HD/DVD2 input. Select one of them under "BNC INPUT".

\*<sup>3</sup>Compatible with HDCP.

#### Supported Signals

- 640 × 480P @ 59.94/60Hz
- 1280 × 720P @ 59.94/60Hz
- 1920 × 1080I @ 59.94/60Hz
- 720 × 480P @ 59.94/60Hz
- 1440 (720) × 576P @ 50Hz
- 1920 × 1080I @ 50Hz
- 1440 (720) × 480I @ 59.94/60Hz

**Note:** In some cases a signal on the plasma monitor may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc...). If you do experience such a problem please contact NEC Solutions (America), Inc. and also the manufacturer of the source equipment.

\*English, German, French, Italian, Spanish, Swedish, Chinese, Russian

**Other Features** Motion compensated 3D Scan Converter (NTSC, PAL, 480I, 576I, 525I, 625I, 1035I, 1080I), 2-3 pull down Converter (NTSC, 480I, 525I, 1035I, 1080I (60Hz)), 2-2 pull down Converter (PAL, 576I, 625I, NTSC, 480I, 525I), Digital Zoom Function (100-900% Selectable), Self Diagnosis, Image Burn reduction tools (PEAK BRIGHT, INVERSE, WHITE, ORBITER, SCREEN WIPER), Color Temperature select (high/middle/middle low/low, user has 4 memories), Auto Picture, Input Skip, Color Tune, Low Tone (3 mode), Gamma Correction (4 mode), Plug and play (DDC1, DDC2b, RGB3: DDC2b only)

**Accessories** Remote control with two AAA batteries, Power cord, Manuals, Safety metal fittings, Ferrite cores, Bands, Cable clamps, HDMI-DVI cable

**Regulations** UL Approved (UL 60950-1 and UL65000, CAN/CSA C22.2 No.60950-1 and CAN/CSA-E60065-00)  
DOC Canada requirements  
Meets FCC Class B requirements

# Table of Signals Supported

## Supported resolution

- When the screen mode is NORMAL, each signal is converted to a 768 dots × 768 lines signal. (Except for \*2, \*4)
- When the screen mode is FULL, each signal is converted to a 1024 dots × 768 lines signal.

## Computer input signals supported by this system

| Model                            | Dots × lines  | Vertical frequency (Hz) | Horizontal frequency (kHz) | Sync Polarity |           | Presence   |          | Screen mode  |             | RGB select*5 | DVI   | Memory |
|----------------------------------|---------------|-------------------------|----------------------------|---------------|-----------|------------|----------|--------------|-------------|--------------|-------|--------|
|                                  |               |                         |                            | Horizontal    | Vertical  | Horizontal | Vertical | NORMAL (4:3) | FULL (16:9) |              |       |        |
|                                  | 640 × 400     | 70.1                    | 31.5                       | NEG           | NEG       | YES        | YES      | YES*2        | YES         | --           | NO    | 4      |
| IBM PC/AT*8 compatible computers | 640 × 480     | 59.9                    | 31.5                       | NEG           | NEG       | YES        | YES      | YES          | YES         | STILL        | YES   | 5      |
|                                  |               | 72.8                    | 37.9                       | NEG           | NEG       | YES        | YES      | YES          | YES         | --           | YES   | 7      |
|                                  |               | 75.0                    | 37.5                       | NEG           | NEG       | YES        | YES      | YES          | YES         | STILL        | YES   | 8      |
|                                  |               | 85.0                    | 43.3                       | NEG           | NEG       | YES        | YES      | YES          | YES         | --           | YES   | 9      |
|                                  |               | 100.4                   | 51.1                       | NEG           | NEG       | YES        | YES      | YES          | YES         | --           | YES   | 41     |
|                                  |               | 120.4                   | 61.3                       | NEG           | NEG       | YES        | YES      | YES          | YES         | --           | YES   | 42     |
|                                  | 848 × 480     | 60.0                    | 31.0                       | POS           | POS       | YES        | YES      | --           | YES         | WIDE2        | YES   | 19     |
|                                  | 852 × 480*1   | 60.0                    | 31.7                       | NEG           | NEG       | YES        | YES      | --           | YES         | WIDE1        | YES   | 17     |
|                                  | 800 × 600     | 56.3                    | 35.2                       | POS           | POS       | YES        | YES      | YES          | YES         | STILL        | YES   | 11     |
|                                  |               | 60.3                    | 37.9                       | POS           | POS       | YES        | YES      | YES          | YES         | STILL        | YES   | 12     |
|                                  |               | 72.2                    | 48.1                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | YES   | 13     |
|                                  |               | 75.0                    | 46.9                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | YES   | 14     |
|                                  |               | 85.1                    | 53.7                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | YES   | 15     |
|                                  |               | 99.8                    | 63.0                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | YES   | 43     |
|                                  |               | 120.0                   | 75.7                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | YES   | 44     |
|                                  |               | 1024 × 768              | 60.0                       | 48.4          | NEG       | NEG        | YES      | YES          | YES         | YES*3        | STILL | YES    |
|                                  | 70.1          |                         | 56.5                       | NEG           | NEG       | YES        | YES      | YES          | YES*3       | --           | YES   | 25     |
|                                  | 75.0          |                         | 60.0                       | POS           | POS       | YES        | YES      | YES          | YES*3       | STILL        | YES   | 26     |
|                                  | 85.0          |                         | 68.7                       | POS           | POS       | YES        | YES      | YES          | YES*3       | --           | YES   | 27     |
|                                  | 100.6         |                         | 80.5                       | NEG           | NEG       | YES        | YES      | YES          | YES*3       | --           | YES   | 45     |
|                                  | 1152 × 864    | 75.0                    | 67.5                       | POS           | POS       | YES        | YES      | YES          | YES         | STILL        | YES   | 51     |
|                                  | 1280 × 768    | 56.2                    | 45.1                       | POS           | POS       | YES        | YES      | --           | YES         | WIDE1        | NO    | 52     |
|                                  |               | 59.8                    | 48.0                       | POS           | NEG       | YES        | YES      | --           | YES         | WIDE3        | YES   | 80     |
|                                  | 1280 × 768*9  | 69.8                    | 56.0                       | NEG           | POS       | YES        | YES      | --           | YES         | WIDE1        | YES   | 66     |
|                                  | 1280 × 800*9  | 60.0                    | 49.7                       | NEG           | NEG       | YES        | YES      | --           | YES         | WIDE1        | YES   | 21     |
|                                  | 1280 × 854*9  | 60.0                    | 53.1                       | NEG           | NEG       | YES        | YES      | --           | YES         | WIDE2        | YES   | 37     |
|                                  | 1360 × 765    | 60.0                    | 47.7                       | POS           | POS       | YES        | YES      | --           | YES         | WIDE1        | NO    | 22     |
|                                  | 1360 × 768    | 60.0                    | 47.7                       | POS           | POS       | YES        | YES      | --           | YES         | WIDE1        | YES   | 22     |
|                                  | 1376 × 768    | 59.9                    | 48.3                       | NEG           | POS       | YES        | YES      | --           | YES         | WIDE2        | YES   | 53     |
|                                  |               | 60.0                    | 64.0                       | POS           | POS       | YES        | YES      | YES*4        | YES         | STILL        | YES   | 29     |
|                                  |               | 75.0                    | 80.0                       | POS           | POS       | YES        | YES      | YES*4        | YES         | --           | YES   | 30     |
|                                  |               | 85.0                    | 91.1                       | POS           | POS       | YES        | YES      | YES*4        | YES         | --           | YES   | 40     |
| 1280 × 1024                      | 100.1         | 108.5                   | POS                        | POS           | YES       | YES        | YES*4    | YES          | --          | NO           | 47    |        |
|                                  | 60.0          | 65.3                    | NEG                        | NEG           | YES       | YES        | --       | YES          | WIDE4       | YES          | 38    |        |
|                                  | 1680 × 1050*9 | 60.0                    | 75.0                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | YES   | 54     |
|                                  |               | 65.0                    | 81.3                       | POS           | POS       | YES        | YES      | YES          | YES         | --           | NO    | 55     |
| 70.0                             |               | 87.5                    | POS                        | POS           | YES       | YES        | YES      | YES          | --          | NO           | 56    |        |
| 75.0                             |               | 93.8                    | POS                        | POS           | YES       | YES        | YES      | YES          | --          | NO           | 57    |        |
| 1600 × 1200                      | 85.0          | 106.3                   | POS                        | POS           | YES       | YES        | --       | YES          | --          | NO           | 58    |        |
|                                  | 60.0          | 74.6                    | NEG                        | NEG           | YES       | YES        | --       | YES          | WIDE2       | --           | 81    |        |
|                                  | 60.0          | 74.0                    | NEG                        | NEG           | YES       | YES        | --       | YES          | WIDE3       | YES          | 88    |        |
|                                  | 1920 × 1200*9 | 60.0                    | 74.6                       | NEG           | NEG       | YES        | YES      | --           | YES         | WIDE2        | --    | 81     |
| 1920 × 1200RB*9                  | 60.0          | 74.0                    | NEG                        | NEG           | YES       | YES        | --       | YES          | WIDE3       | YES          | 88    |        |
| Apple Macintosh*6 *8             | 640 × 480     | 66.7                    | 35.0                       | Sync on G     | Sync on G | --         | --       | YES          | YES         | --           | NO    | 6      |
|                                  | 832 × 624     | 74.6                    | 49.7                       | Sync on G     | Sync on G | --         | --       | YES          | YES         | --           | NO    | 16     |
|                                  | 1024 × 768    | 74.9                    | 60.2                       | Sync on G     | Sync on G | --         | --       | YES          | YES*3       | WIDE1        | NO    | 28     |
|                                  | 1152 × 870    | 75.1                    | 68.7                       | Sync on G     | Sync on G | --         | --       | YES          | YES         | WIDE1        | NO    | 39     |
|                                  | 1440 × 900*9  | 60.0                    | 56.0                       | NEG           | NEG       | YES        | YES      | --           | YES         | --           | YES   | 89     |
| Work Station (EWS4800)*8         | 1280 × 1024   | 60.0                    | 64.6                       | NEG           | NEG       | YES        | YES      | YES*4        | YES         | --           | YES   | 29     |
|                                  |               | 71.2                    | 75.1                       | NEG           | NEG       | YES        | YES      | YES*4        | YES         | --           | YES   | 48     |
| Work Station (HP)*8              | 1280 × 1024   | 72.0                    | 78.1                       | --            | --        | --         | --       | YES*4        | YES         | --           | YES   | 59     |
| Work Station (SUN)*8             | 1152 × 900    | 66.0                    | 61.8                       | C Sync        | C Sync    | --         | --       | YES          | YES         | --           | YES   | 60     |
|                                  |               | 76.0                    | 71.7                       | C Sync        | C Sync    | --         | --       | YES          | YES         | --           | YES   | 61     |
|                                  | 1280 × 1024   | 76.1                    | 81.1                       | C Sync        | C Sync    | --         | --       | YES*4        | YES         | --           | YES   | 30     |
| Work Station (SGI)               | 1024 × 768    | 60.0                    | 49.7                       | --            | --        | --         | --       | YES          | YES*3       | --           | YES   | 62     |
|                                  | 1280 × 1024   | 60.0                    | 63.9                       | --            | --        | --         | --       | YES*4        | YES         | --           | YES   | 29     |
| IDC-3000G                        |               |                         |                            |               |           |            |          |              |             |              |       |        |
| PAL625P                          | 768 × 576     | 50.0                    | 31.4                       | NEG           | NEG       | YES        | YES      | YES*7        | YES*7       | --           | NO    | 31     |
| NTSC525P                         | 640 × 480     | 59.9                    | 31.5                       | NEG           | NEG       | YES        | YES      | YES*7        | YES*7       | MOTION       | NO    | 32     |

- \*1 Only when using a graphic accelerator board that is capable of displaying 852×480.
- \*2 Display only 640 lines with the screen center of the vertical orientation located at the center.
- \*3 The picture is displayed in the original resolution. The picture will be compressed for other signals.
- \*4 Aspect ratio is 5:4. This signal is converted to a 720 dots×768 lines signal.
- \*5 Normally the RGB select mode suite for the input signals is set automatically. If the picture is not displayed properly, set the RGB mode prepared for the input signals listed in the table above.
- \*6 To connect the monitor to Macintosh computer, use the monitor adapter (D-Sub 15-pin) to your computer's video port.
- \*7 Other screen modes (ZOOM and STADIUM) are available as well.
- \*8 When viewing a moving picture at a vertical frequency greater than 65Hz, the picture may sometimes be unstable (jumpy). If this occurs, please set the refresh rate of the external equipment to 60Hz.  
To view 480I@60Hz (480 interlaced lines, 60Hz refresh rate) or 576I@50Hz (567 interlaced lines, 50Hz refresh rate) when sync polarity is "Sync on Green", set "RGB SELECT" to "MOTION".
- \*9 CVT standard compliant.

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**NOTE:**

- While the input signals comply with the resolution listed in the table above, you may have to adjust the position and size of the picture or the fine picture because of errors in synchronization of your computer.
  - This monitor has a resolution of 1024 dots×768 lines. It is recommended that the input signal should be XGA, wide XGA, or equivalent.
  - With digital input some signals are not accepted.
  - The sync may be disturbed when a nonstandard signal other than the aforementioned is input.
  - If you are connecting a composite sync signal, use the HD terminal.
- 

**What is HDCP/HDCP technology?**

HDCP is an acronym for High-bandwidth Digital Content Protection. High bandwidth Digital Content Protection (HDCP) is a system for preventing illegal copying of video data sent over a Digital Visual Interface (DVI).

If you are unable to view material via the DVI input, this does not necessarily mean the PDP is not functioning properly. With the implementation of HDCP, there may be cases in which certain content is protected with HDCP and might not be displayed due to the decision/intention of the HDCP community (Digital Content Protection, LLC).

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## DECLARATION OF CONFORMITY

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This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions. (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

|                                |  |
|--------------------------------|--|
| <b>U.S. Responsible Party:</b> | <b>NEC SOLUTIONS (AMERICA), INC.</b>   |
| <b>Address:</b>                | <b>1250 N. Arlington Heights Road, Suite 400<br/>Itasca, Illinois 60143-1248</b> |
| <b>Tel. No.:</b>               | <b>800-836-0655</b>  |

|                           |                    |
|---------------------------|--------------------|
| Type of Product:          | Plasma Display     |
| Equipment Classification: | Class B Peripheral |
| Models:                   | PX-42XR3A          |

*We hereby declare that the equipment specified above  
conforms to the technical standards as specified in the FCC Rules.*




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