

JVC
PROFESSIONAL

42-INCH PLASMA DISPLAY MONITOR

GD-V4200PZW

High-Resolution, Flat Plasma Monitor Delivering Bright,
High-Contrast Pictures with Wide Viewing Angle



PLASMA

- 500:1 Contrast Ratio
- Super Bright Picture (240 cd/m²)
- 16.77 Million Colors/256 Levels
- Wide Viewing Angle (160 Degrees)
- Selectable Wide-Screen Mode
- 42-Inch Wide Screen (16:9)
- NTSC/PAL/SECAM Compatibility
- Wall/Ceiling Mountable
- BNC, Y/C, and DVD Inputs
- Y/Pb/Pr, DTV Component Signal Input
- RS-232C Connectors
- S-VGA/XGA Compatible

Brighter and Sharper — Sensational Picture Quality from A Remarkable Monitor



When JVC launched its first plasma monitors users were astonished by their thin, flat design, but most of all they were captivated by superb picture quality coupled with a wide viewing angle. Now, the new GD-V4200PZW pushes what can be achieved with JVC plasma technology to new horizons. Incorporating major improvements to contrast and brightness, the GD-V4200PZW delivers even more vivid, high-resolution pictures. Images so bright and so clear you can view them perfectly in places where there is strong ambient light. The 42-inch wide-screen display, with its flat screen and zero distortion, has variable wide aspect ratios from 4:3 to 16:9 — all from a unit that is just 3.5 inches deep. It also features terminals for full multimedia and DTV compatibility. And, you can put it anywhere — hang it on a wall, suspend it from a ceiling, or embed it in a desk. All of which give the GD-V4200PZW plasma display monitor unrivalled flexibility for applications ranging from multimedia presentations and video posters to displaying real-time text and image information.

■ Full 8-bit RGB ■ Contrast Ratio 500:1 ■ Actual Brightness



Simulated picture

Powerful Features for Super Picture Quality

■ Wide Screen, High-Resolution Pictures

The GD-V4200PZW offers bright, crisp pictures with an outstanding resolution of 853 X 480 pixels, along with selectable 4:3 or 16:9 aspect ratios. Performance at this level opens up a wide array of video, multimedia, and computer-linked applications. The versatile GD-V4200PZW can also be used with VGA and S-VGA/XGA (compression) resolution computers.

■ Zero-Distortion Flat Display with Wide Viewing Angle

The totally flat display of the GD-V4200PZW means you'll see absolutely no distortion or unevenness of the picture at edges or corners. Its viewing angle of 160° in either horizontal or vertical directions, also lets you freely install the monitor to be clearly visible to viewers regardless of their location in a room.

■ 16.77-Million Color Display

The GD-V4200PZW provides 256 levels of color for each of red, green, and blue pixels. That translates into 16.77 million colors, which means extraordinary depth of color and realism for multimedia or video applications.

■ Super Thin Monitor Design

Measuring just 89 mm in depth, the elegantly designed GD-V4200PZW can be installed virtually anywhere and takes up very little space — whether on a wall, suspended from a ceiling, or embedded in a desk or exhibition panel.

■ Flicker-Free Display

Because a plasma display adopts a non-interlace system, which uses every scanning line of the display, unlike a CRT display which uses every other line, pictures are crisp and flicker-free. That ensures minimal eye fatigue when viewing the monitor continuously for long periods.

■ No Magnetic Influence

Because GD-V4200PZW plasma display is totally immune from the effects of electromagnetic field and does not radiate X-ray, it thus opens up a wide range of applications in hospitals, industrial sites and laboratories.

■ Multi-Format and Multimedia Compatibility

The GD-V4200PZW offers full compatibility with NTSC, PAL, and SECAM formats. And, in the multimedia world it accepts signals from S-VHS/VHS VCR's, DVD players, and digital cameras.

■ W-VHS Viewing

The GD-V4200PZW features Y/Pb/Pr inputs for viewing a signal from W-VHS VCR, in only available from JVC and can record baseband Hi-Vision signal directly.

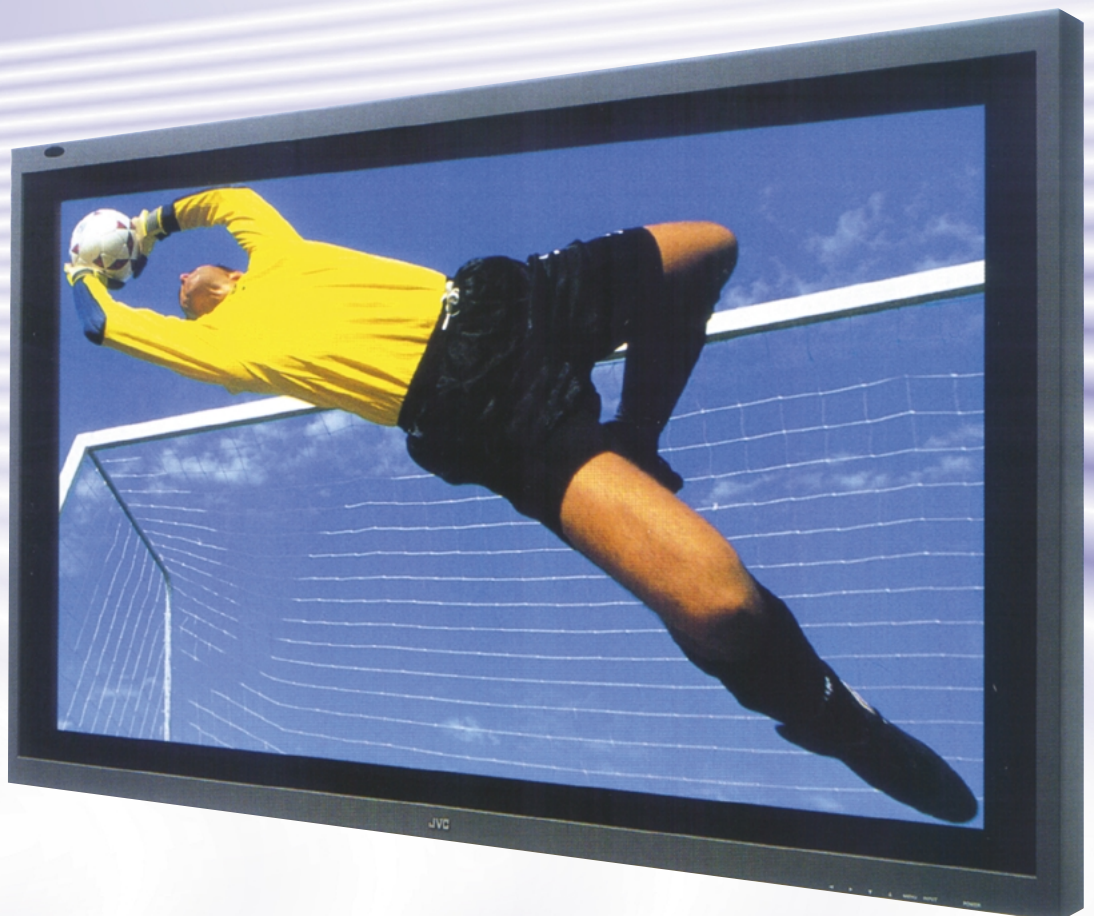
■ Color Temperature

Not like others, JVC GD-V4200PZW has a capability to adjust its color temperature precisely designed for video monitor application. 6500°K and 9300°K presets are selectable.

■ Other Features

RS-232C remote terminal for wired control and Multi Link terminal of GD-V4200PZW offers ease of operation, and useful Screen Saver and built-in All-White Signal Generator reduce fatigue on plasma phosphors and secure durability.

Brightness: 240cd/m² ■ XGA Compression ■ Various I/F



Simulated picture

New Standard Features for Super Quality Pictures

■ Full 8-Bit RGB Driver

The new GD-V4200PZW offers exceptional depth of color by assigning 256 values for each of the red, green, and blue components of a pixel. As a result, the monitor displays over 16.77 million colors. That is enough to reproduce true color of full photographic quality, as well as generate graphics with exceptionally rich tones to provide real impact, either for multimedia presentations or when the monitor is interfaced with a PC.

■ Contrast Ratio — 500:1

The GD-V4200PZW comes with sophisticated circuitry that enhances its contrast ratio to 500:1, making it the leader in its class. For the viewer, that means crystal sharp pictures which seem to leap out of the screen. Besides creating an eye-catching display, high contrast offers special advantages when displaying detailed tables of alphabetic and numeric characters — such as a rail or airline schedule. So, viewers can read spread sheets of information instantly. It also reduces eye fatigue among users who spend long periods tracking

numeric information on a screen, whether industrial production statistics or stock and currency exchange rate quotes.

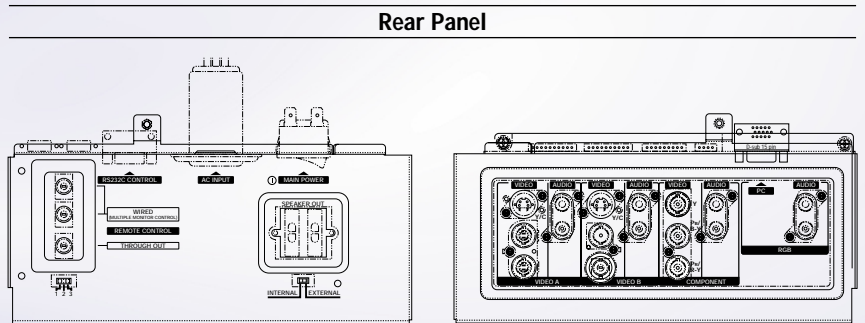
■ Actual Brightness — 240 cd/m²

Brightness has also received a strong boost compared to conventional levels. Delivering bright pictures of 240 cd/m², the GD-V4200PZW outperforms conventional models by some 66 percent. Brighter images further extend the monitor's applications to

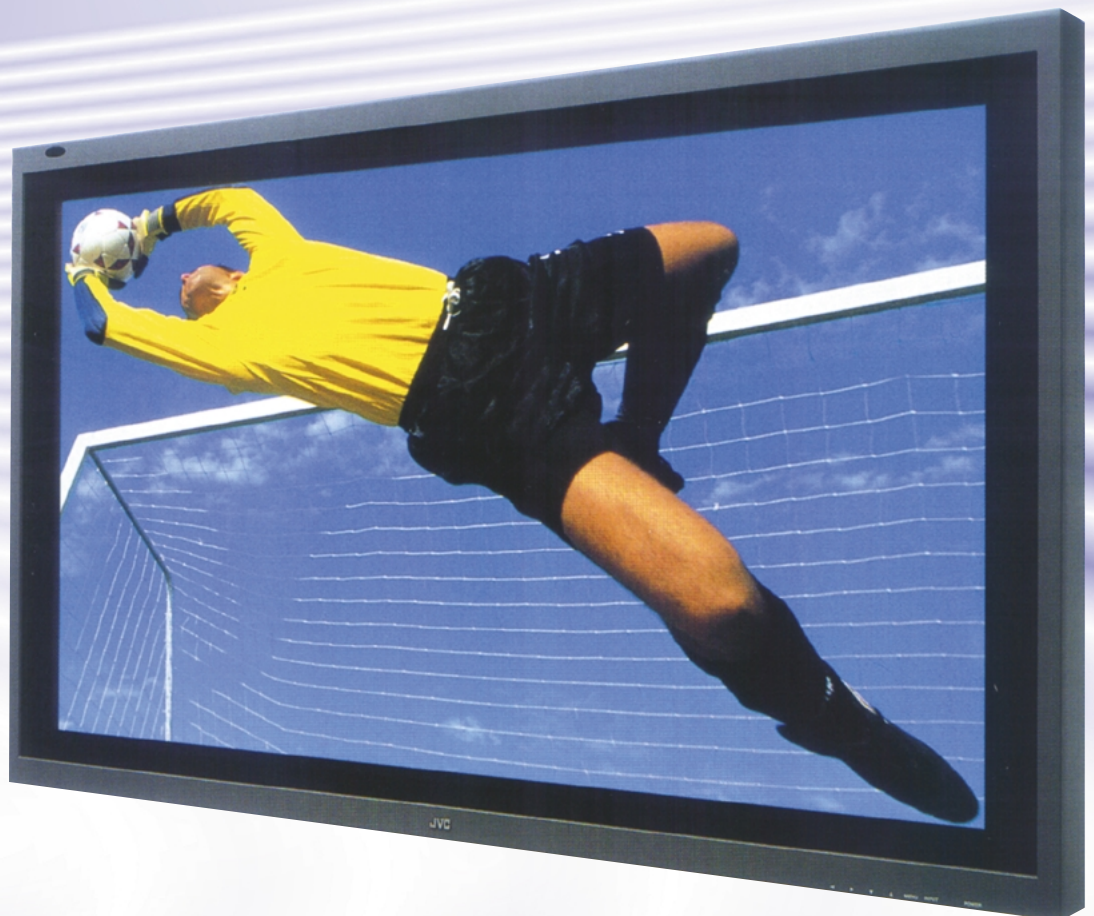
outdoor use in strong sunlight and indoor locations where the ambient light level is unusually high.

■ S-VGA/XGA Compression

GD-V4200PZW accepts S-VGA and XGA input signals. S-VGA / XGA compressed display on GD-V4200PZW can be switched two aspect modes between 4:3 (640 x 480 dots) and 16:9 (853 x 480 dots).

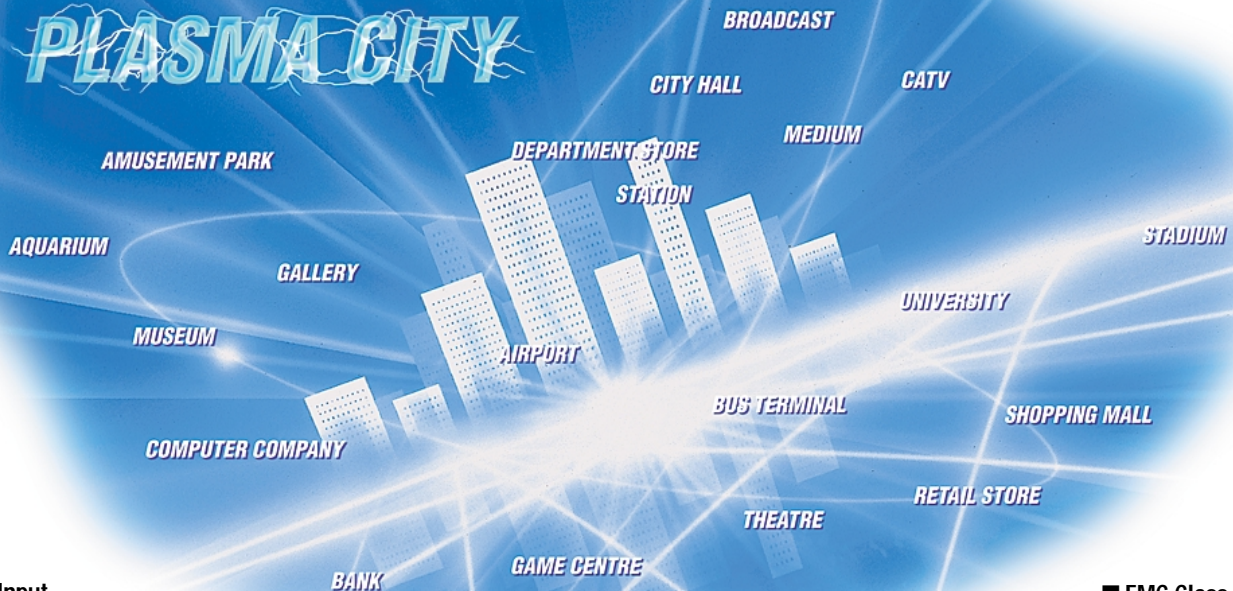


Brightness: 240cd/m² ■ XGA Compression ■ Various I/F



Plasma Applications

PLASMA CITY



■ DTV Input

You can connect the GD-V4200PZW to DTV to take advantage of the most popular DTV formats, including 1080i, 720p and 480p. Likely users include broadcasters and video post-production houses.

■ S-VHS, W-VHS and DVD Inputs

The GD-V4200PZW accepts both S-VHS, W-VHS and DVD signals. Among the many exciting potential applications are S-VHS/W-VHS, DVD monitor, electronic publications and electronic advertising.

■ 16.77 Million Colors

The GD-V4200PZW delivers pictures with a resolution of 640 X 480 pixels at an aspect ratio of 4:3 (853 X 480 at 16:9) and displays 16.77 million colors. Such depth of color and direct connectivity to a computer, coupled with XGA compatibility, support many exciting multimedia applications. These include connecting the monitor to a computer, teleconferencing, education, retail store promotions, and sales presentations.

■ 3.5 inches Deep

With its thin, lightweight design, the GD-V4200PZW can be installed in a small area, and can be hung on a wall or suspended from a ceiling. So the monitor can be freely installed in museums, art galleries, public spaces, lifts, hospitals, banks, airports and exhibition sites.

■ Wall/Ceiling Mountable

Mounted vertically, the GD-V4200PZW becomes a portrait monitor, which can be used as a digital poster carrying advertisements or simply as a medium for creating a dynamic and exciting retail space. Possible users are boutiques, video stores, travel agencies, and music stores.

■ EMC Class B Compatibility

Conformed to Class B category in EMC, GD-V4200PZW is ideal for use in demanding environments including personal use.

■ Flicker-Free Display

Because the GD-V4200PZW has a flicker-free display it is the ideal choice for applications that involve continuous viewing for long periods. Applications include information displays and CCTV displays for monitoring production processes and laboratory experiments.

■ 160° Viewing Angle

A distortion-free flat screen and a wide viewing angle open up such applications as a visual guide, a graphic display, or a presentation tool. Installation sites could include museums, zoos, aquaria, shopping malls, and teleconferencing facilities.

System Configuration



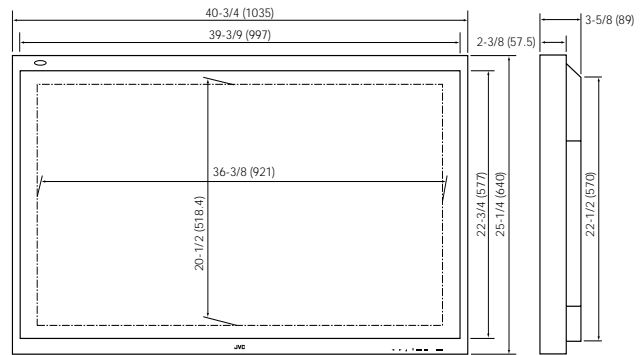
Specifications

■ DISPLAY PANEL

Screen size (W x H)	36-3/8 x 20-1/2 inches/921 x 518.4 mm (wide 42-inch diagonal)
Aspect ratio	16:9 wide (width-to-height ratio of screen) 4:3/16:9 selectable
Viewing angle	160°
Display colors	16,770,000 (RGB each of 256 levels)
Resolution (H x V)	640 x 480 (4:3)/853 x 480 (16:9) S-VGA: 800 x 600 (Displayed at 640 x 480 or 853 x 480) XGA: 1024 x 768 (Displayed at 640 x 480 or 853 x 480)
No. of pixels	Horizontal 853 x Vertical 480 pixels
Display modes	
Regular (4:3)	4:3 video image displayed in center of screen
Full (16:9)	Displays wide horizontal expansion of 4:3 VGA video image for full-screen display
Zoom/Panoramic (16:9)	Overall expansion of 4:3 video image for full- screen display (top and bottom of image are cut)
Input connectors	
Video inputs (A/B)	A: 1.0 V(p-p), 75 ohms (BNC x 2), bridge-out possible B: 1.0 V(p-p), 75 ohms (BNC x 1, RCA pin x 1), bridge-out possible
Y/C inputs (A/B)	Y: 1 V(p-p)/75 ohms C: 0.286 V(p-p)/75 ohms for NTSC C: 0.3 V(p-p)/75 ohms for PAL/SECAM
Component video input	Y: 1.0 V(p-p), 75 ohms (BNC) Pb/B-Y: 0.7 V(p-p), 75 ohms (BNC) Pr/R-Y: 0.7 V(p-p), 75 ohms (BNC)
Video system	NTSC/PAL/SECAM/DTV (480p, 720p, 1080i)
Analog RGB input (PC)	mD-Sub 15-pin (3-row) x 1, Video signal: 0.7 V(p-p)/75 ohms Sync signal: TTL level or 0.3 V(p-p)/75 ohms
Display frequency	Horizontal: 15.625 kHz to 56.48 kHz Vertical: 50 Hz to 75 Hz
Audio input	RCA pin jacks (L/R) x 4, 500 mVrms, 22 k ohms min.
Control signal	RS-232C D-Sub 9-pin x 1 (female)
Weight	79.2 lbs./36.0 kg
■ GENERAL	
Power requirement	AC 120 V/230 V, 50/60 Hz
Power consumption	3.9 A AC 120 V, 2.1 A AC 230 V
Audio outputs	Internal: 2 W + 2 W (typ.) External: 3 W + 3 W (typ. at impedance 6 ohms)
Operating environment conditions	
Temperature range	32°F to 104°F (0°C to +40°C)
Humidity range	20% to 80%, non condensation

Dimensions

Unit: inches (mm)



Optional Accessories



TS-C420P4W

Stand Unit (Vertical Position)

Dimensions (W x H x D):
500 x 607.2 x 700 mm



Stand Unit (Horizontal Position)

Dimensions (W x H x D):
700 x 384.6 x 452 mm



TS-C420P2W

Wall Mounting Unit

Mounting Angle: 0°, 5°, 10°, 15°
Dimensions (W x H x D):
494 x 529 x 47 mm*



TS-C420P3W

Ceiling Suspension Unit

Mounting Angle: 0°, 10°, 20°
Dimensions (W x H x D):
570 x 450 x 165 mm*

*At the mounting angle 0°.

Caution:

■ PDP is an ultra modern electronic device fabricated using leading-edge technology. Therefore, its effective picture elements are 99.99 percent or more, meaning 0.01 percent or less defective elements or "always ON" portion could exist. ■ Screen burn-in: Like a CRT, PDP uses phosphor; therefore, burn-in could result from long-term use such as displaying the same still picture.

Design and specifications subject to change without notice.

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