The XG-V10W/X Highly Equipped Large Venue Models Provide High Level Presentations with Superior Quality Images and Wide-Ranging Features
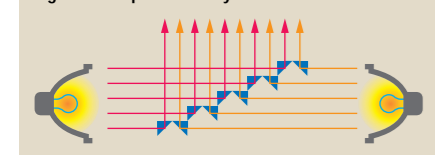
4700 (XG-V10W)/4000 (XG-V10X) ANSI Lumen High Bright Picture

Unique Dual Lamp System
With Sharp's unique optics, two high-grade 200W UHP lamps provide ultra high brightness of 4700 (XG-V10W)/4000 (XG-V10X)* ANSI Lumen with excellent colour uniformity.
(* When using optional standard zoom lens AN-LV40EZ)

Light Axis Separation & Synthesis Prism

Single/Dual Lamp Switchover
Choose the lamp arrangement to suit your needs. With dual lamp projection, the XG-V10W/X delivers high luminance pictures in a huge room. Even from a single lamp, the unit produces pictures of superb colour uniformity and sufficient brightness in mid-to-large-size rooms. Single-lamp use also lessens lamp replacement frequency, reducing maintenance costs. Even if one lamp burns out, projection performance can be maintained by using the other lamp without interruption. Plus, for longer life and effective lamp use, the lamp can be switched over automatically each 100 hours.

Maximum Output Light Prism
Sharp's unique technology of Light Axis Separation and Synthesis Prism working together with the dual lamp system to maximize light output, provides efficient brightness and excellent uniformity.

High Brightness Picture

4700 ANSI lumen image with two lamps (XG-V10W)

2350 ANSI lumen image with one lamp (XG-V10W)

CV-IC Technology

400:1 High Contrast
400:1 High contrast ratio is achieved from the newly developed light-collecting prism system and contrast-improved film, with efficient and loss-free light capture in two-lamp projection as well as effective one-lamp projection. Dark areas in pictures, which often become dim and obscured with darker blacks, will be reproduced with greater contrast: brighter, clearer, crisper.

SXGA High-Precision Display

True SXGA/XGA Image Quality

Advanced Compatibility with High-End PCs, Workstations and DTV
Incorporating proprietary Sharp LSI technology, the XG-V10W/X works with powerful PCs and workstations used for specialised applications, such as medical, prepress DTP, CAD and CAM.
- Horizontal Frequency: 15-126 kHz
- Vertical Frequency: 43-200 Hz
- Pixel Clock: 12-230 MHz
- Compatible with Sync. on Green/Composite Sync. signals — Compatible with workstations (SUN, SGI, IBM, HP)
- HDTV/DTV Compatible: 480I/480P/720P/1080I

XG-V10W:
- UXGA (1,600 x 1,200) Compatible in Advanced Intelligent Compression (AICS)
- True SXGA (1,280 x 1,024) and Macintosh 21" (1,280 x 1,024) Compatible
- XGA, SVGA, VGA and Macintosh (19"/16"/13") Compatible in Enhanced Up-Scaling

XG-V10X:
- UXGA (1,600 x 1,200), SXGA (1,280 x 1,024) and Macintosh 21" (1,280 x 1,024) Compatible in Advanced Intelligent Compression (AICS)
- True XGA (1,024 x 768), SVGA, VGA and Macintosh (19"/16"/13") Compatible

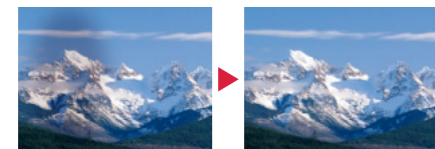### Advanced Intelligent Compression (AICS)
Higher resolution pictures can be compressed while keeping high quality to fit into the panel resolution.

Enhanced Up-Scaling
Lower picture resolutions can be up-scaled to the high image quality of projector panels.

3D Digital Uniformity
Three-Dimensional Digital Uniformity compensates uneven picture brightness at all picture brightness levels from white to dark.

Without OCS Panel and without 3D Digital Uniformity

With OCS Panel and with 3D Digital Uniformity

DTV/HDTV and DVD Compatible
The XG-V10W/X provides high-quality images from DVD, HDTV and DTV (480P, 720P, 1080I with 4:3 and 16:9 aspect ratios) by receiving 15k RGB signals and component signals (Y, PB, PR) through five BNC input terminals and an HD 15-pin mini D-sub terminal.

The optional standard zoom lens is attached to the XG-V10W in this photo.

CV-IC (Computers & Video Integrated Composer) Technology

10-bit Digital Gamma Correction Circuitry
10-bit Digital Gamma Correction Circuitry precisely compensates for picture quality and 4-mode gamma selection modulates the gamma value, matching the picture reproduction with the format source and entertainment type, providing brighter pictures and accurately reproducing subtle colour changes.

New Progressive Mode
The Progressive Mode of the previous I/P Conversion still had jagged lines and unclear images. The New Progressive Mode (3D Progressive) with correction circuitry compensates for this interference, to provide a natural and smooth picture in the progressive mode.

Still image viewed in progressive mode

Previous I/P Conversion

New Progressive Mode

Enhanced Digital Image Enlargement
When you need to compose a video wall or work with an enlarged picture, projecting the larger image sometimes results in unclear or jagged pictures. The Enhanced Digital Image Enlargement employs a much more advanced smoothing technology, producing a crisp and even picture.

Superior 16:9 Image
Conventional projectors extend a picture evenly from the 4:3 original to fit into a 16:9 screen, resulting in pictures stretched horizontally, i.e., wide and short. With the XG-V10W/X, pictures can be projected in a thinner ratio in the middle part and only extended at the sides. This maintains natural and proportional pictures close to the 4:3 original.

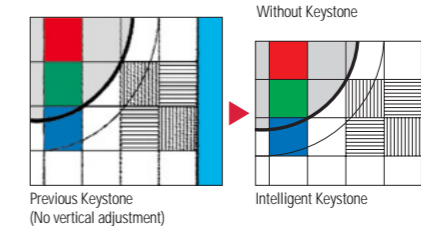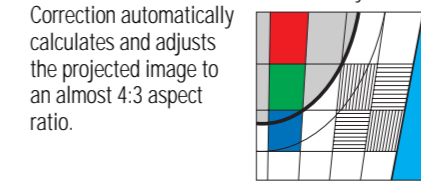Original Picture

Conventional 16:9 Image

Superior 16:9 Image

Dynamic Gamma Correction
Dynamic Gamma Correction optimizes gamma correction frame by frame in real time, thus providing a more beautiful image.

Intelligent Digital Keystone Correction (IDWS)
The Intelligent Digital Keystone Correction compensates for picture distortion when images are projected from an angle. Conventionally, only horizontal adjustment can be made. With this new method, the IDWS system provides vertical adjustment. Jagged lines on the picture are eliminated, providing a clear projection of almost the same quality as the original picture. After adjusting the angle of projection with the Lens Shift function, the XG-V10W/X with Keystone Correction automatically calculates and adjusts the projected image to an almost 4:3 aspect ratio.
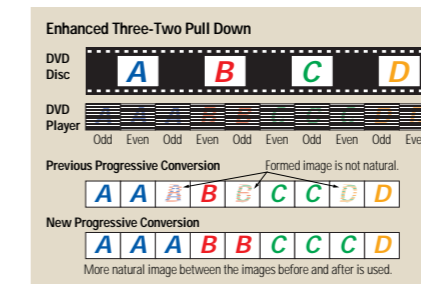
Previous Keystone (No vertical adjustment)

Intelligent Keystone

New Intelligent Compression
New Intelligent Compression makes faint, fine lines and letters much clearer and sharper, suitable for project graphics, graph materials and PC menus, with almost perfect legibility.
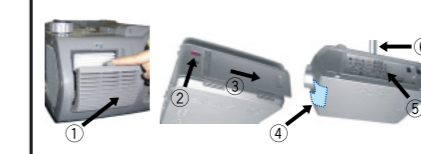
Enhanced Three-Two Pull Down
Using the Film Mode, the XG-V10W/X can beautifully reproduce movie film recorded in 24Hz progressive format.

Enhanced Three-Two Pull Down

DVD Disc: A B C D
DVD Player: Odd Even Odd Even Odd Even Odd Even

Previous Progressive Conversion
A A B B C C C D
Formed image is not natural.

New Progressive Conversion
A A A B C C C D
More natural image between the images before and after is used.

Multiple Input and Output Terminals

- 6 Inputs and 3 Outputs (including 1 Input and 1 Output Expansion Terminals)
- 1 BNC Terminal for RGB Signals/2 BNC Terminals for Component Signals/Video Signals
- PC Digital Input (DVI)
- Expansion Terminal for Optional Boards

Other Outstanding Features

Digital Convergence
With Digital Convergence, a slight distortion of convergence can be easily adjusted on the service menu screen without having to dismantle the projector and to move the LCD panel.

G LCD Panel
B LCD Panel
R LCD Panel

Without Digital Convergence

With Digital Convergence

Seven Interchangeable Lenses with Lens Shift Function
The projector may be used with seven optional interchangeable lenses to meet an amazingly wide variety of applications and projection situations. Choose the one which best suits your projection conditions such as the room size, projection distance and projected picture size. The XG-V10W/X covers projection distances from 1.7m to up to 14m and finely adjusts the images in angle projection with the Lens Shift Function, though the range of lens shift angle depends on the lens type.

Projection Distance for a 100" Screen

Lens		
(1) AN-LV140X	45.9 ft	14 m
(2) AN-LV80EZ	25.3-35.4 ft	7.7-10.8 m
(3) AN-LV55EZ	17.4-24.6 ft	5.3-7.5 m
(4) AN-LV36EZ	11.5-18.0 ft	3.5-5.5 m
(5) AN-LV60EZ	8.2-9.5 ft	2.5-2.9 m
(6) AN-LV26EZ	3.9-5.1 m	
(7) AN-LV18MX	5.6 ft	1.7 m

Digital Shift Function
The presetting of a video or DVD movie to the 16:9 screen ratio may result in a black line at the top or the bottom of the screen. With the Digital Shift function, the entire picture can be moved vertically on the screen in a similar way as the Lens Shift.

Digital Shift

Press ▲   or   Press ▼

Advanced Presentation Features
■ Built-In Presentation Tools
The XG-V10W/X provides a variety of useful presentation support tools to highlight important points and deliver a stronger message.

Easy Maintenance for Ceiling Mounting
The XG-V10W/X is designed to make installation and maintenance a breeze — no more worrying about troublesome removal from the ceiling mount:
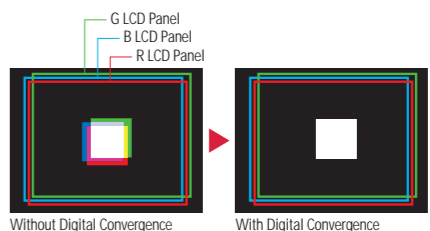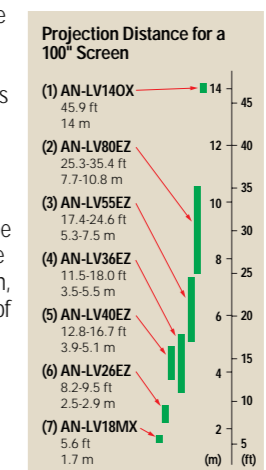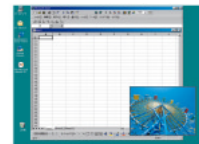(1) The air filter is replaced in a single touch.
(2) The LED ID No. lamp, mounted on the back of the unit, is large enough to be read from a distance.
(3) Just slide the back cover to replace the lamps — no need to remove from the ceiling mount.
(4) Even for exchanging the lenses, simply remove the lens cover with a special screw driver supplied as a standard accessory.
(5) All input/output terminals are mounted on the side of the projector.
(6) The mounting bracket is the same as the one used for the XG-E3500/XG-XV2, eliminating compatibility hassles.

■ Picture-In-Picture
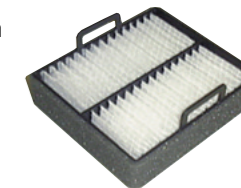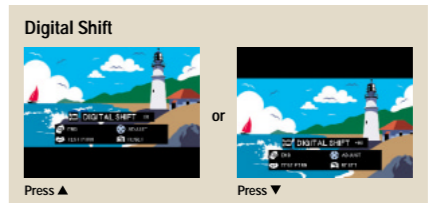The XG-V10W/X can add video images onto a data screen image, providing you with even more effective presentations.

■ Digital Enlarge
(x 1, x 4, x 9, x 16, x 36, x64)
■ Freeze
■ Customizable Startup Screen & Background Screen

Low Fan Noise: 39 dB
(in dual lamp mode)
In spite of the XG-V10W/X's super high brightness, the projector is astoundingly quiet. The unit produces less fan noise, eliminating annoying sounds during presentations and meetings.

■ Long-Life Filter
Dust-free and highly durable in design, the newly developed, long life filter is employed to greatly extend filter life as well as filter out dust and dirt of only 3 microns. It extends the conventional 100-hour cleaning function to an amazing 2000 hours. These figures are based on normal operation in regular conference rooms.

■ Auto Response Adjust (ARA)
Automatically and quickly synchronises in 4 to 8 seconds the projection settings, pixel clock, phase and horizontal and vertical positioning. This ensures a quick and smooth start to presentations.

■ GUI (Graphical User Interface): Navitron
The easy-to-use Navitron GUI shows how to adjust the focus, sound, lighting, and other settings.

■ High-Quality Video Circuits (3D Y/C Separation, 3-Line Digital Comb Filter, 3D Noise Reduction, Colour Transient and Y Delay)
■ Multi System Video Compatability (NTSC/NTSC4.43/PAL/PAL [60Hz]/PAL-M/PAL-N/SECAM)
■ 11-Language On-Screen Display (English, German, Spanish, Dutch, French, Italian, Swedish, Portuguese, Chinese, Korean, Japanese)
■ USB-PS/2 Wireless Remote Control with Mouse Control, Laser Pointer and Backlit Function
■ Colour Temperature Adjustment
■ Key Lock Function & Password Function
■ Power Save Mode when on Standby