

65-inch plasma displays solve a longstanding visibility problem at the back of a large university lecture hall.

Installation Details

65-inch plasma displays installed at a prominent university.

Waseda University installed fifteen 65-inch plasma displays and six 32-inch LCDs in its new Building No. 8, which opened in April 2005.



Two displays are set up in the center of the medium-size classroom.

An ideal screen size to review PC displays in large classrooms.

Waseda University was previously using 200-inch and 70-inch rear projectors in its large classrooms and 50-inch plasma displays in its medium-size and small classrooms. With the recent increase in the use of PCs for lessons, students had requested screen sizes that better match the classroom sizes.

The display type was an important consideration during the planning of the equipment and facilities for the new building.



This large classroom, which seats 775 students, has three pairs of 65-inch plasma displays that are efficiently laid out, so even small text is clearly visible for students in the back of the room.

Panasonic's large plasma display selected.

While considering the image devices for the new building, the university developed an interest in Panasonic's 65-inch plasma display, because:

- **Panasonic's integrated production and sales system provides its users with quick response.**
- **Panasonic offers a full lineup of plasma and other display types, including LCDs and large-screen projectors.**

University staff checked the screen sizes of the actual products before choosing. They then selected 65-inch plasma displays as auxiliary monitors for the large and medium-size classrooms in the new building. They also chose 65-inch plasma displays as main monitors for the small classrooms. Because the university uses a variety of wireless devices, all of the delivered plasma displays incorporate a magnetic shielding operation that prevents interference from infrared communications.

Plasma Display System Report

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System Outline

Full-feature, large-screen display system matches the large space.

A rear projector in the front of the large classroom displays images on a 200-inch single-screen or 120-inch dual-screen system, but it is difficult for students in the back of the room to see small text shown on the screen. To solve this problem, a pair of 65-inch plasma displays were installed as auxiliary monitors at three locations. They supplement the front projector by displaying the same images, ensuring good visibility for everyone in the room (see photo on first page). In addition to ordinary image sources such as a DVD player and VHS tape deck, the large classroom is provided with an electronic whiteboard. Information written on the whiteboard can also be shown on the displays in real-time. This makes it possible to show a

reference image on one screen and present the information written on the whiteboard on the other screen. Scenes captured in one of the medium-size classrooms can also be displayed on one screen, and lecture information can be shown on the other screen, making it possible to link the large classroom to another classroom in order to create a large virtual classroom for remote education.



The 65-inch plasma display is just the right size as the main display system for small classrooms. (Left: multimedia learning center, right: ordinary classroom)

Video system for small-group seminars

Waseda University also uses a cart-mounted video system complete with image devices such as a DVD player and PC. When a 32-inch LCD is combined with this small-group seminar system, it can be moved from room to room, and used by simply turning on the power. The system eliminates the need for projectors that were previously used for this purpose.



After Installation

From visualizing information to real-time 2-way communications.

The 65-inch large-screen plasma display has made it possible to achieve the longstanding goal of balancing the screen size of the display system with the classroom size. It has also helped to construct a full-feature system that is capable of enhancing the visual aspect of lectures and remote education. Waseda University is highly satisfied with the result, and is now planning to hold real-time 2-way classes with distant campuses or with affiliated overseas universities.

Outline of the Large-Classroom Video System Installed at Waseda University

