

# By Integrating a 27-Multiscreen System and an HD Visual Communications System That Connects 177 Bases, a System for Smooth Communication Even in Emergencies Has Been Constructed

Shizuoka Bank, which is based in Shizuoka Prefecture and has branches throughout Japan, constructed their new headquarters building, the "Shizugin Headquarters Tower," as one of the commemorative projects for their 70th anniversary. Together with the construction of the new headquarters building, Panasonic's professional displays and projectors were chosen to be used as the image display devices for the Emergency Countermeasures Office, boardroom, and studio.

## Installation Details

### An Emergency Countermeasures Office Was Installed at the New Headquarters Building to Reinforce the Countermeasures Against Large Scale Disasters

Shizuoka Prefecture has been designated as an Area under Intensified Measures against Earthquake Disasters for a potential Tokai Earthquake, and Shizuoka Bank has taken activities to step up contingency plans under the idea that countermeasures against disasters are a high-priority issue for their management. Before the construction, the old headquarters building was a quakeproof structure made with the latest technologies of the time, but after the building has aged 50 years since it was built, the construction of the new headquarters building was planned, to aim for "reinforcement of support for large-scale disasters" and "further

strengthening of customer support." The Tohoku Earthquake that struck in March 2011, renewed the awareness of the importance of disaster countermeasures, and by conducting hearings at financial institutions that were damaged by the earthquake, the idea to secure enhanced structures was decided upon. As a result, an "HD Visual Communications System" that would allow face-to-face communication from remote areas to confirm the situation of damaged areas and the safety of employees, as well as to provide instructions from the headquarters to the branch offices, was chosen to be most effective, and the delivery of the systems was decided on. The Emergency Countermeasures Office was also installed to support a wide range of situations in addition to natural disasters such as earthquakes, including system malfunctions, accidents, and market risks.

### Smooth Communication Has Been Achieved by the Construction of an Enhanced Image Display Device

At the Emergency Countermeasures Office, information from the following sources is displayed onto a large screen, to make it easy to share and view the situation and information at any time.

- An HD Visual Communications System that connects a total of 177 bases
  - Images from approximately 5,400 security cameras installed in various locations
  - TV news and Earthquake Early Warnings (EEW)
  - Operational status of networks and ATMs
- So, a multiscreen system constructed with Panasonic's TH-55LFV5 was suggested to make the following operation possible.

- **Multiscreen:** Simultaneously display a wide variety of information
- **Large screen:** Easy-to-see expanded display of important information
- **High Resolution:** High readability with sharp and clear displays of textual information
- **Wide Viewing Angle:** Highly visible images that can be clearly viewed from seats on the edges

Taking into consideration the amount of information required to display in case of an emergency, three 3x3 multiscreen systems were installed. In addition, the precise and efficient device maintenance and support systems were also highly praised, and Panasonic's products were also utilized in five boardrooms and for the studio facilities.



The multiscreen system, made up of 27 55-inch LCD displays, lets you view a wide range of information with one glance.

# Professional Display System Report

Vol.35

Shizuoka Bank, Ltd.

Shizuoka, Japan

Date delivered: January 2015

## Example of Use in the Emergency Countermeasures Office

### Supporting a speedy and accurate assessment of the situation required in the case of an emergency.

At Shizuoka Bank, the Emergency Countermeasures Office is divided into the "information acquisition area" and the "decision-making area."

#### • Information Acquisition Area

At the "information acquisition area," the situations of various locations can be centrally acquired. The content is checked and reviewed, and the necessary information and countermeasure plans are sent to the

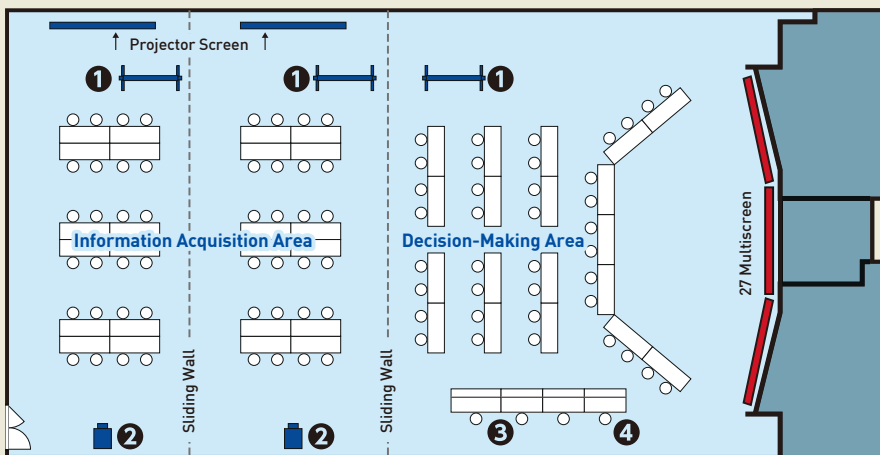
"decision-making area."

Panasonic's TH-65LFB70 multi-touch screen LDC display is installed in this area, and discussions can be conducted while writing on the displayed images. The PT-DZ680 projector is also installed here, making it possible to display enlarged images (including images that have been written on) in real-time.

A system environment that allows smooth transition from acquiring information to preparing countermeasure plans is constructed here.

### ■ Emergency Countermeasures Office Floor Schematic View

(The numbers listed in the diagram are linked to the photo explanation below)



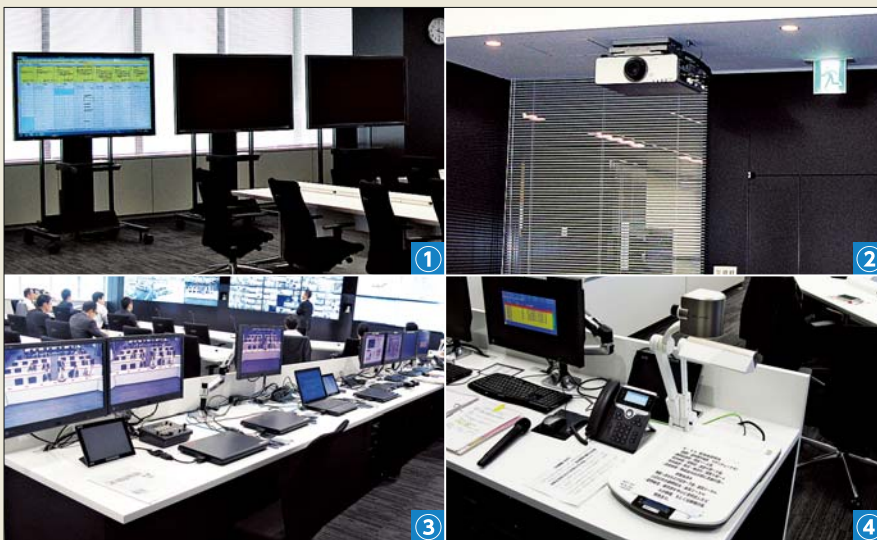
#### • Decision-Making Area

Final decisions are made in the "decision-making area" based on a wide range of information and countermeasure plans. Three 3x3 multiscreen systems are installed here, making it possible to view a wide range of information at one glance.

By zoning the content displayed at each multiscreen system, it is easy to instantly find necessary information (see the photo above for reference).

Also, images displayed during emergency situations are pre-set by type, including disaster countermeasures and market risks, so necessary information can be displayed depending on the situation using easy touch panel controls.

Normally, the Emergency Countermeasures Office is divided with sliding walls, and utilized as a conference room. By creating as many opportunities to handle the system as possible and getting used to the controls, it can lead to accurate operation during emergency situations.



- 1 The 65-inch multi-touch screen display is set onto the portable stand. The display can be moved freely when necessary.
- 2 A projector has been installed in the "information acquisition area." Content written onto the multi-touch screen display can be enlarged and displayed in real-time.
- 3 The control console. An easy interface can be constructed with the device by simply touching the touch-panel screen.
- 4 A document camera has been installed when displaying information on paper, such as fax documents, is required.

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## ■ Display example of the three 3x3 multiscreen systems (consisting of 27 TH-55LFV5 units) (Installed in the Emergency Countermeasures Office: Example of use during an emergency situation)

By deciding what information to display on each multiscreen system, it is easier to confirm the information required during an emergency.



Images from approximately 5,400 security cameras that are installed in various locations can be displayed arbitrarily on the nine devices on the left.

Basic images are displayed horizontally: From the left, west Shizuoka Prefecture, central, eastern, vertically: From the top, ATM corner/Lobby inside the store/Store parking lot. By dividing the images, the system is constructed in a way that lets you instantly grasp the situation in case of an emergency.



The central region displays images from the HD Visual Communications System/ By dividing the display into 20 frames, a total of 180 frames can be displayed. Face-to-face meetings can be conducted with all the bases of Shizuoka Bank. Also, when transmitting information from a base, enlarged images from the speaker can be displayed on nine multiscreens to achieve smooth meetings.



Various types of information are displayed on the nine devices on the left. In addition to TV broadcasts, Earthquake Early Warnings (EEW), the Internet, and computer screens, the operational status of Shizuoka Bank's in-house networks and ATMs are also displayed. Also, the images from the multi-touch screen display installed in the "information acquisition area (refer to the bottom of the page on the left)" can also be displayed here.

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## Example of Use in the Boardroom

### A Large Rear Projection Screen Has Been Installed, Creating a Calm Environment Where Discussions Can Be Held

In order to support smooth discussions between members of managements, such as board directors and executive officers, Panasonic's PT-DZ10K DLP™-type projector and multi-touch screen LCD display have been installed in five boardrooms of the new headquarters building.

In the main conference room, a 150-inch rear projection screen has been installed as the main image display device. The projector is installed in the backyard, creating an elegant interior design and a quiet work environment. The projector helps create a relaxing and stylish conference room.

The projector is connected to the HD Visual Communications System. The dynamic, large-screen images can be connected to remote locations to

transmit important instructions or orders with certainty. Also, images from the bird's-eye view camera that is installed on the ceiling of the Emergency Countermeasures Office can be confirmed, enabling viewers to understand the situation from the conference room or the control room.

### The Touch-Screen Display Achieves Smooth and Paperless Discussions

The TH-65LFB70 multi-touch screen LCD display, which enables you to freely write onto the screen, is installed in the main conference room. In addition to being able to use the display like a whiteboard, it is also possible to write onto various documents and images displayed onto the screen.

Also, it is possible to save the written content as data, contributing to paperless conferences promoted by Shizuoka Bank.



▲ The main conference room where the large 150-inch screen is installed. The projector displays images using a rear projection system, and can be set in the backyard. Noises such as the projector's fan are prevented from leaking into the room.

#### Operational Tablet Device



▲ The PT-DZ10K DLP™-type projector is installed from the ceiling on the back side of the screen.



The AV device housing rack installed in the backyard. ▲ A tablet terminal has been installed for system operation-use. The device can be operated by simply touching the screen. With the wireless connection, the device can be carried into the conference rooms and operated.

## Example of Use in the Studio

### The Professional Display Plays a Huge Role in the Full-HD Compatible "Virtual Studio"

At the new headquarters building, a Full-HD compatible video studio has been constructed in order to produce video news and images for public information for the employees of Shizuoka Bank. Panasonic's broadcasting and

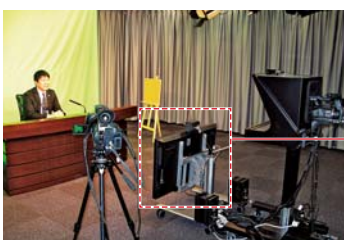
professional-use P2HD Series system and professional display has been utilized as the recording devices.

The studio features a "Virtual Studio," which uses real-time chroma-key synthesis, combines background images to the recorded images to complete the shot.

The TH-42LF60 image confirmation monitor has been installed in the



▲ In addition to a wide range of editing devices, a Full-HD LCD display is installed in the studio editing room. Detailed letters of the editing software can be displayed in clear, sharp images.



◀ A Full-HD LCD display has been installed in the recording studio as a studio monitor. It can be set with the prompter and installed in a compact space.

recording studio. The synthesized images can be confirmed while recording video.

The TH-42LF6 is also installed in the editing room. Many windows and preview screens that are used with video editing software can be displayed onto one display.