

## Centrally grasping information on disasters, etc., with 6-panel multi-display Efficiently collecting and sharing information to contribute to swift response and recovery



### Customer

#### NTT DOCOMO INC. Tokai Branch

- Nagoya, Aichi Prefecture, Japan
- As one of NTT Docomo Inc.'s branches, NTT Docomo Tokai covers the four Tokai district prefectures of Aichi, Mie, Shizuoka, Gifu and develops businesses, such as the provision of mobile communication services.



### Implemented product

#### Information display

PN-V551 (55-inch) x 6 units, PN-W435 (43-inch) x 1 unit

#### Touch display "BIG PAD"

PN-L803C (80-inch) x 1 unit

- Implemented in June 2017 as a tool for collecting and sharing information at the Disaster Response Headquarters.

## This is what we realized.

### Challenges before implementation

When a disaster occurs, speedily collecting, sorting, analyzing, and sharing various information on the situation of disasters in each area is essential for a swift response and early recovery. The Disaster Response Headquarters was looking for this type of image device that would enable central "visualization" of this necessary information.

Key information such as the situation of disasters at each base station and images of the tsunami monitor cameras, etc., can be viewed on the 6-panel multi-display.

Random images can be enlarged and displayed on 4 panels or 6 panels so that they can clearly confirm small text and maps.

To ensure the system can be used immediately when disaster strikes, it is used regularly for Web meetings connecting each base. High productivity is achieved during regular operations as well.



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Background of implementation

Looking to implement video equipment for displaying various information to strengthen the collection and sharing of information in times of disaster.

Our company is in charge of a social infrastructure of a mobile network. Our mission is to provide stable communication, so we have endeavored to prepare for unexpected disasters and strengthen our various responses. As part of these endeavors, we have been promoting the efficiency of information collection and sharing by the Disaster Response Headquarters, which are started up in an emergency. We reviewed our conventional method of bringing individual PC monitors to collect information, looking for ways to organize the required information, and centrally grasp the disaster information.

Reasons for selection

Admiring the free layout of the multi-display that allows simultaneous display and enlarged display of multiple information.

Many people participate in the Disaster Response Headquarters, including our administration as well as staff from the Disaster Response Section. We focused on the large-screen multi-display as a device that allows all participants to share information. With the 6-panel configuration, we can display six key elements, including (1) disaster information map for all base stations, (2) the detailed information, (3) broadcasts from all terrestrial tv stations, (4) L-ALERT (disaster information sharing system), (5) images from tsunami monitor cameras, and (6) Weather News. We also appreciated that we can enlarge a random screen to a 6-panel or 4-panel display as needed to confirm fine text and maps.

Effect after implementation

Central “visualization” of disaster information, etc., on 6-panel multi-display. Further improving the Disaster Response Headquarters’ functions.

By implementing the 6-panel multi-display at the Disaster Response Headquarters, we were able to create central “visualization” of various information during a disaster. We anticipate that the reinforced information collection and sharing will contribute to swift response and early recovery. We also use the system as a monitor for Web meetings connecting each base during normal times, so our initial response when disaster does strike is faster. We also implemented the 80-inch BIG PAD. We can write into maps, use the BIG PAD as a whiteboard, and record and save the disaster response history, etc.

Future prospects

Pursuing more efficient utilization methods to further strengthen our disaster response.

We will conduct practical drills at the annual national training sessions and each branch’s training sessions so that all headquarters members are skilled at using this new system. Through this practice, we will look for more effective usage methods and will work to further strengthen our disaster response.



6-panel multi-display screens layout is set for easy operation with tablet terminals.



Maps, etc., are enlarged as needed so that detailed information can be easily recognized.



80-inch BIG PAD is installed and used to write into maps, etc.



43-inch display is implemented to introduce disaster response at exhibitions, etc.