



Monitoring & Management Center

The system tasks are acquiring data, Monitoring information and situation and command.

This vehicle (including three sections as the surveillance and control, servers and communication equipment, command and control sections) has been designed for meeting communication reliability needs of organizations in emergency and crisis conditions such as earthquake and fire so that immediate access to information, integrating and processing it, and quick decision making is possible by the system from commander level to operator level.

Also the system includes multi-user video communication, data transmission, as well as voice/video/data transmission.

Surveillance and control cabin

- 8 operator consoles with 3 monitors
- 1 sight surveillance console
- Telephone communication network (switching or VoIP)
- Video conference system
- ICS console for each operator
- Welfare facilities

Network Communication Layers

- Various communication layers of the vehicle are: satellite terminal, HF/VHF radio communication, microwave, Wi-Fi and GSM links, and fiber optic

Capacity of communication layers

- ✓ Using advanced MUXs with capability of transferring the Ethernet, E1, and telephone lines (Fxo and Fxs) via fiber optic with capacity of 155Mb
- ✓ Capability of establishing parallel fiber links as Alternative
- ✓ Capability of establishing communication with upper and lower layers via pair wire up to 6.11Mb capacity
- ✓ Capability of establishing microwave network with the other nodes within 30km distance with 34Mb capacity



Cabin of Servers and Communication Equipment

- Processing servers and storages
- Voice recording system
- Switchboard
- Various data transmission infrastructures (fiber optic and G.SHDSL)
- Network switches and routers
- Welfare facilities

Command and control cabin (VIP)

- Video conference system
- ICS console for gaining access to various radios and intercommunication
- Facsimile terminal
- Equipped with 46" wall mount display
- Welfare facilities

Available Services

- Various data/telephone communication (between the systems, consoles, and local/PSTN switchboards), HOTLINE, video conference, voice recording, video and sight surveillance services
- Establishing communication with wireless network (radio-telephone) via the ICS system

