JRC

MCVDT

Need a secure and robust communication tool?

JRC MCVDT is the most reliable Mission Critical Communication platform designed for public safety, defence, utility and mining.

Highlights

- 3GPP MCX Release 15 Compliant

- MCPTT, MCVideo and MCData functions

- Group / Private - Audio / Video Communication

- Integrated Map Server. Emergency Alert on Map

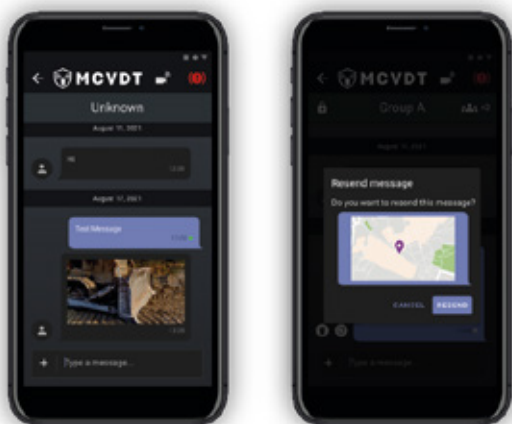- High Quality Audio / Video

JRC *Japan Radio Co., Ltd.*

■ Group Call

MCVDT's group call offer the same functionality as commercial radios, with low bit rate, high-quality voice, low latency, and high reliability, thanks to the AMR-WB codec used in the 3GPP MCPTT standard. It ensures clear, uninterrupted voice transmission for public safety.

■ Private Call

MCVDT's Private Call supports both half-duplex and full-duplex modes, enabling users to choose the most suitable option for each situation. In noisy environments, half-duplex calls can effectively minimize noise interference, while full-duplex calls offer real-time communication in urgent situations.

■ Private/Group Message

MCVDT enables users to post and view messages both privately and within groups. It also includes a camera function for real-time photo sharing. In addition to photos, users can share videos, PDFs, and other document files.

■ Alarm

MCVDT is compatible with the SOS button on major terminals, allowing alarms to be triggered with a single push. These alarms are immediately sent to all users, enabling real-time sharing of information about abnormal events.
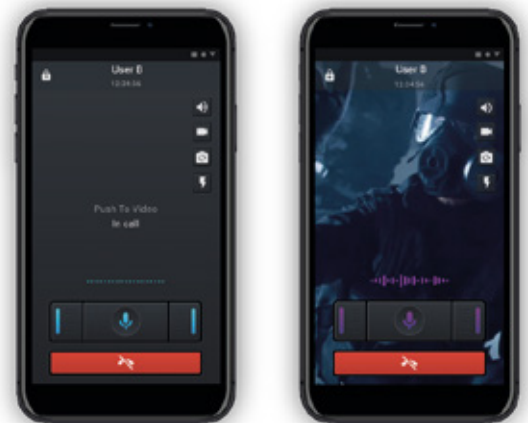
Private Video

In private networks, the radio environment can vary significantly due to radio quiet zones, weak signals at cell boundaries, and other factors. MCVDT adjusts the video bit rate according to these fluctuations, ensuring optimal video delivery at all times. It's also compatible with external cameras that can be attached to helmets, goggles, and more.

Push to Video

Push To Video sends video only when the PTT button is pressed, enabling efficient video sharing with reduced bandwidth—ideal for private networks with limited communication capacity. MCVDT's Push To Video, compliant with the 3GPP standard, ensures video delivery within one second of pressing the PTT button.

MAP

MCVDT supports OSM-format map displays, giving users the option to choose either an on-premise or cloud-based map server. On-premise map server support is essential for wireless IP solutions in private networks. Additionally, real-time sharing of each terminal's location information enables smoother communication among members.

Logo Customizing

MCVDT includes a logo change feature that allows customers to personalize their logo. Customizing the logo helps strengthen the brand image and boost end-user engagement.

■ Remote Speaker Microphone

MCVDT integrates with Remote Speaker Microphones (RSM), enabling hands-free voice calls without holding the smartphone. Featuring a loud speaker and high-performance microphone, the RSM is essential for public safety and first responders, allowing users to focus on their tasks with hands-free communication.

■ Dispatcher

The system has a modern IP based Mission Critical Application including Push-To-Talk (PTT), video and data (MCX) solution which uses capability of the latest ruggedized smartphones. It grants users maximum operational capability with sophisticated user interface and keeps high availability even on LTE network. It provides "always on" PTT operation, group messaging, voice basis group communication, video basis group communication, GPS basis users location management and can receive and display video from multiple terminals in real time.