



# NAVCALL

## MARITIME COMMUNICATION MANAGEMENT SYSTEM

### INTRA COMMUNICATION SYSTEM

The MCMS is an innovative naval Integrated Communication System that provides clear voice communications for commanders and crew members. The MCMS integrates on-board radios and diverse audio devices into one audio distribution system that provides unified communication from a single intuitive crew Voice Terminal. With the MCMS, a vessel's radios are controlled and routed via an IP network, allowing the crew to operate many communication assets simultaneously, in accordance with operational needs.

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COMMUNICATIONS

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## MARITIME COMMUNICATION MANAGEMENT SYSTEM

### Simplified, Reliable and Easy to Use

The Reutech designed MCMS as a mission-critical application, placing emphasis on durability, reliability, maintainability and fault tolerance. It is a system that is both flexible (can be customized to each user's needs) and scalable, to allow an increase in equipment and traffic capacity. The MCMS can be operational on one vessel or an entire fleet, and it is customizable to specific client requirements. With a user-friendly interface with a touch screen, MCMS is easy to learn and simple to operate.

#### Radio Control Gateway

provides full integration for 32 communications devices (radios, phones, PA, SATCOM, etc.) per gateway with the Integrated Communication System. An unlimited number of Gateways can be simultaneously used for redundancy and/or scaling.

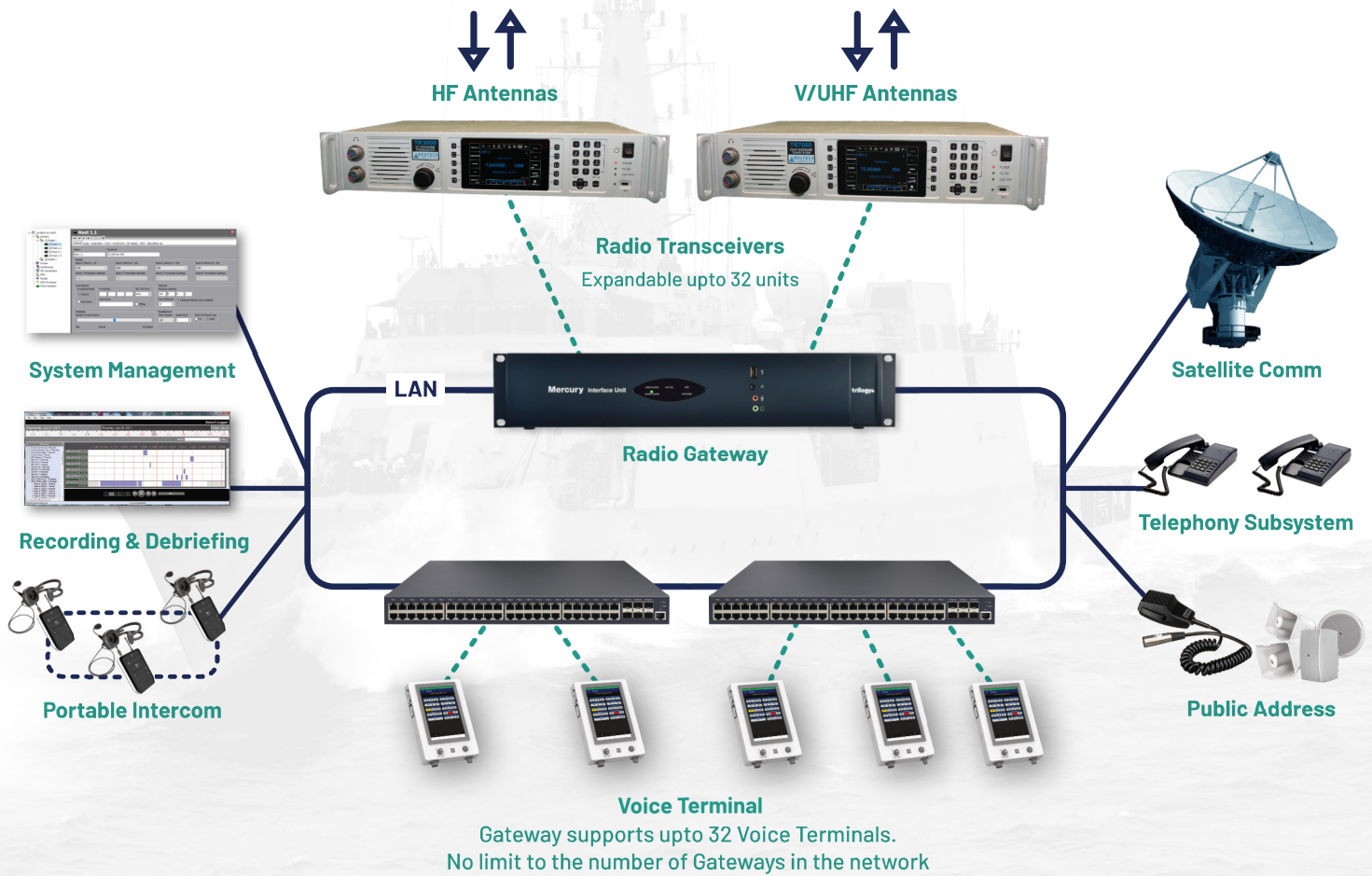
#### Voice Intercom Terminal (VIT)

is a touchscreen based VoIP communication endpoint, enabling multi-channel, full-duplex communications over an IP network for internal and external communications (radio, intercom, groups, PA, etc.).

#### LAN Switch Power Distribution Unit

provides unified LAN and power connections over a single cable, supports 8 distributed Voice Intercom Terminals (VIT).





## Advantages at a Glance

- **Ruggedized design** for marine environments, including Voice Terminals with screens that are protected from scratches and have an anti-glare layer for sun visibility
- **Fast system boot time** due to usage of embedded Linux in conjunction with DSP elements
- Low consumption and distributed power system for low heat dissipation
- **Scalability** from Fast Patrol Vessel to Corvettes and Submarines
- Integration of **Dynamic Noise Reduction (DNR)** techniques designed for high ambient noise environments
- Highly redundant architecture
- Intuitive and unified operations
- Compact voice terminals
- Supports standard PoE LAN switches

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