



MODEL: RHF-8MH

A VIDEO DATA VOICE Co.

*Home of the next-generation
telecommunication & computing equipment*

MARINE WARNING RECEIVER

Specifications:

a. General specifications:

1. Controller:
 - 20 MHz CPU core
 - Optional 2-channel, 10-bit Analog-to-Digital Converter (ADC)
 - Full-duplex 9-bit Universal Asynchronous Receiver/Transmitter (UART) with bus transceiver Driver Enable Control
 - Inter-Integrated Circuit (I2C)
 - Serial Peripheral Interface (SPI)
 - Two 16-bit timers with Capture, Compare, and PWM capability
 - Watchdog Timer (WDT) with internal RC oscillator
 - 11 Input/Output pins
 - Voltage Brownout (VBO) protection
 - Power-On Reset (POR)
2. Working reliable under marine conditions
3. Automatically operate 24/24 SSB
4. Control tones signaling
5. Modulation; SSB 7.906 Mhz, J3E
6. Power supply 12-13.8VDC
7. Water proof packaging

b. Base Remote Controller:

1. Encoder to Turn on, turn off remote SSB receiver
2. Turn on and off by our own digital code
3. Interface with HF SSB transceiver
4. MIC for voice input
5. Programmable new parameters

c. Onboard System:

- AM radio capability
- Frequency: 530-1650 Khz,
- FM Capability
- Frequency: 87.5-108.5 Mhz,

SSB Receiver:

- Frequency 7.906Mhz
- Stability: +/- 5ppm
- Modulation; SSB, J3E
- Micro processor control with programmable update parameters
- 12-13.8VDC
- Audio power: inside speaker <2W, opt speaker: 5W, 8-16 ohm
- Impedance antenna: 50-75 Ohm
- Dim: less than 240x220x190 mm, weight: <1.5kg

*Specification is subject to change without notice