



Welcome to
the 21st century
office at sea.

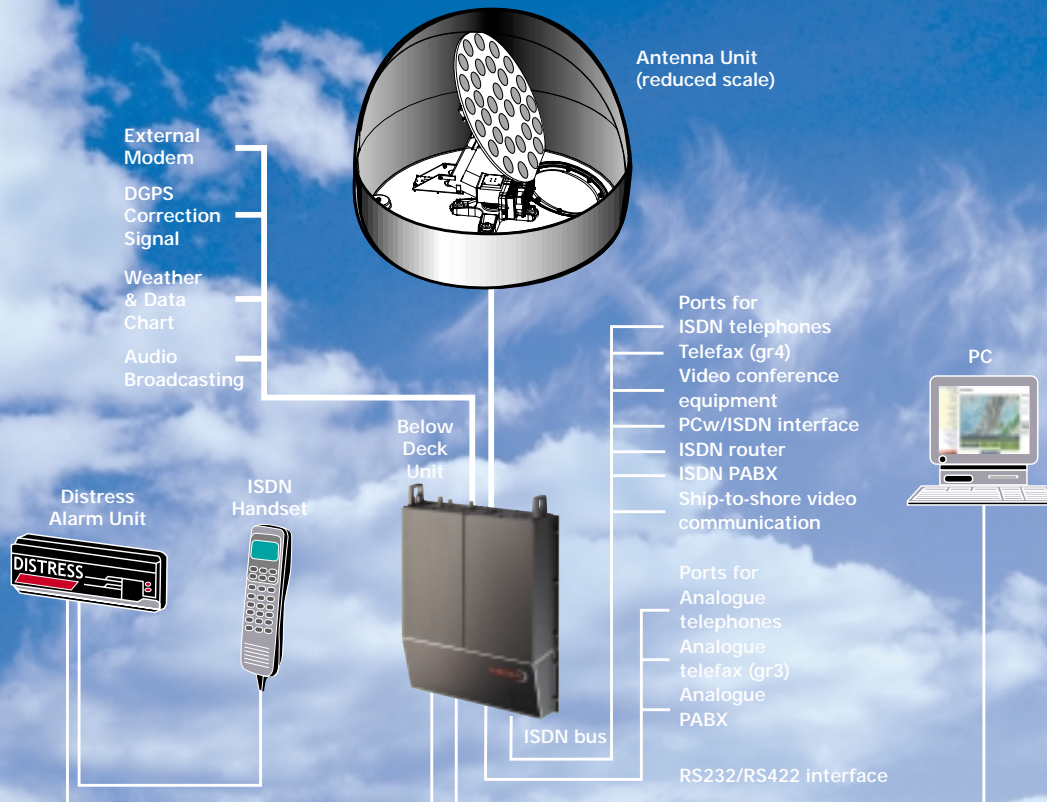
Permanently connected

Nera F77

Continuing the Saturn tradition



NERA
enabling a wireless future



Nera F77. Technical Specification

Standard functions

- **Voice**
4.8 kbps
64 kbps
- **Data**
56/64 kbps ISDN
- **Fax**
Group 3, Group 4
- **Distress Alarm**
- **L-band Output**
1.5 GHz signal output for Inmarsat Broadcast services
- **Number Storage**
10 latest numbers dialled (up to 20 digits)
- **Telephone Book**
99 short numbers with alphanumeric names
- **Restricted Dialling and Restricted LES**
- **Traffic Logging**
- **Charge Tone and Precharge Minutes**
- **Display Interface**
- **Loader Program**

- "Radio Silence" function
- ISDN Hands free operation

Optional functions and services

- **Secure Interface**
STU-II B/STU III
- **Dual Antenna Operation**
- **Data Service**
128/256 kbps
- **Credit Card Phone**
- **Power Supply**
12/24 V DC operation
- **Remote configuration facility**

The MCU is provided with SIM Card reader enabling "private" IMN number for each user.

Interfaces

Terminals (for wire screw connections)

- 4 pcs each with 4-terminals for 2 x 2 pair ISDN connection
- 4 pcs each with 2-terminals for connection to 2-wire analogue telephones

- (TEL 1 + TEL 2 + TEL 3 + TEL 4)
- 4 pcs terminals for RS-422 connection
- 4 pcs terminals for "Radio Silence" connection
- 2 pcs terminals for NMEA connection
- **Connectors (contacts)**
- 4 pcs RJ-45 (ISDN) connectors for Distress Alarm Box, ISDN Telephones, PC, G3/G4 Telefax etc.
- 2 pcs RJ-45 connectors (TEL 3 and TEL 4) for Analogue telephones
- 1 pc USB connector for PC/data equipment
- 1 pc 9-pin D-SUB connector for RS-232 interface
- 1 pc 9-pin D-SUB connector for RS-232 or RS-422 interface

Cabling ADE-BDU

Max 23 dB loss at 1525-1660 MHz and 2.0 ohm loop resistance.

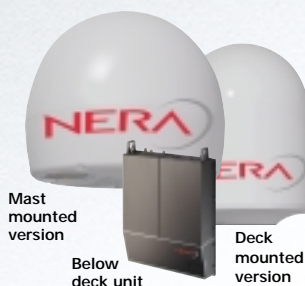
RG214:	Max 40m
S 10172 B-10:	Max 125m
RF 1/2" 50:	Max 160m
RF 7/8" 50:	Max 280m

Power

110-240 VAC +/- 10%, 47-400 Hz
Power consumption: 40W receive/idle, 150W transmit

Dimensions and weight

Main Control Unit, MCU
Dimension: 86mm x 372mm x 380mm (H x W x D)
Weight: 6.8kg
Above Deck Equipment, ADU (antenna)
Mast mount
Dimension: 108cm H, 132cm Dia.
Weight: 65kg
Deck mount
Dimension: 108cm H, 91cm Dia.
Weight: 50kg



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