



## NERA F55

# High performance and high quality communications at sea

Nera's continuous involvement in marine communications since 1978 has created a powerful company ethos built on the massive importance of product reliability. The Nera F55 offers larger boats, yachts and patrol vessels access to top-quality voice, fax and data (64 kbps) services throughout any voyage.



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### GLOBAL VOICE, FAX AND DATA

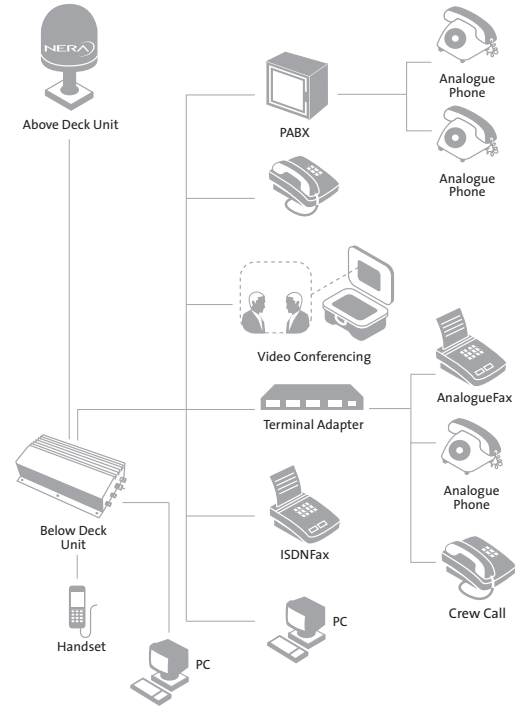
With the 14 extended coverage of the Inmarsat Fleet services, the Nera F55 delivers both high-quality voice, fax and data communications throughout the entire global beam area. The unique MPDS service enables vessels to stay online continuously for convenient access to the Internet, e-mail and file transfer applications. Further utilization of the Nera F55 can be achieved by implementing third party equipment for crew call.

### TAILORED TO MEDIUM-SIZED VESSELS

The compact and light antenna unit and the low power consumption of the Nera F55 makes it extremely well suited to supply ships, coast guards, yachts and fishing boats. The Nera F55 gives vessel owners full flexibility to connect a broad range of communications equipment, supporting up to seven handsets enabling onboard internal calls between different locations on the ship.

### UNRIVALLED SUPPORT – AROUND THE CLOCK, AROUND THE WORLD

Nera F55 customers will benefit from Nera's unique global network of regional service centres with Nera-trained and certified engineers. This service is provided 24 hours a day, 7 days a week in 38 key ports around the world.



## TECHNICAL SPECIFICATIONS

<b>Services</b>		<b>Power</b>	
Voice	4.8 kbps, 64 kbps, 3.1 khz audio	Power Supply	11 -32 V DC
Data*	64 kbps.MPDS (Packed data) 56/ 64 kbps ISDN	Power consumption	40 W receive/idle, 110 W transmit
Fax*	9.6 kbps Group 3 fax, 64 kbps Group 4 fax, 3.1 kHz audio	<b>BDU – ADU Cabling min/max loss</b>	4/20 db at 1.6 GHz and 4.0 ohm loop resistance
<b>Telephone functionality</b>		RG-223	Min 7 m / Max. 25 m
Number storage	10 latest numbers dialled	RG214 -FRNC	Min 12 m / Max. 50 m
Address book	99 short numbers with alphanumeric names	S10162B11	Min 30 m / Max 140 m
Restricted dialling	Yes	RG 1/2" 50	Min 45 m / Max. 170 m
Traffic logging	Yes	<b>Physical Data</b>	
Sim card support	Yes	Weight	
Message indication	Yes	Below Deck Unit	3 kg
Access Code	Yes	Above Deck Unit	16 kg
Secure Communications	STU IIB / STU III (optional)	Dimensions	
<b>Interfaces</b>		Below Deck Unit	18 x 31 x 8 cm
ISDN	2 x RJ-45 connectors	Above Deck Unit	Height 60 cm, diameter 63 cm
ISDN	1 set of terminal block ( 4 wire)	<b>Environmental</b>	
Analogue	2 RJ-11 connectors (external TA)	Storage temperature	
RS-422	1 set of terminal block (4 wire)	Operational temperature	
USB	1 x connector	Below Deck Unit	0°C to 45°C, 95% humidity (non condensing) at 40°C
RS-232	2 x 9-pin D-SUB connector	Above Deck Unit	-25°C to 55°C, 95% humidity (non condensing) at 40°C
NMEA	1 set of terminal block (2 wire)	Sealing class	
		Below Deck Unit	IP30
		Above Deck Unit	IP66

\*Spot beam services