

MBR 144 PERSONAL



KONGSBERG



MARITIME BROADBAND RADIO

The Maritime Broadband Radio is a smart antenna designed for use in maritime applications where digital high-speed reliable communication and data transfer are crucial for efficient and safe operations. With compact design and tilted antennas suitable for helmet mounting, the MBR 144 Personal is intended for operations where personnel requires a robust communication link during surveillance and inspection. The MBR 144 Personal has integrated antennas and GNSS positioning. The MBR 144 Personal is also available with a dedicated plug-and-play camera for live streaming, and battery packs.

TECHNICAL SPECIFICATIONS

PERFORMANCE

User data 0.7 to 16.5 Mbps

Antenna coverage

Omni-directional 360 degrees azimuth

RF specifications

Frequency band ¹⁾ 4900 MHz to 5900 MHz
Channel bandwidth 20 MHz
Tx power Up to 2 W
Antenna gain 7 dBi
EIRP Max 40 dBm
Modulation GMSK
Internal antenna elements 4

INTERFACES

Ethernet/LAN 2

WEIGHTS AND DIMENSIONS

MBR Unit 295 g, 146 x 78 x 43 mm

POWER

Supply voltage 24 V DC
Max. power consumption 25 W
Idle 8 W

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range ²⁾ -30 °C to +55 °C
Operating humidity 20 to 100 % RH
Storage humidity (recommended) 20 to 70 % RH
Ingress protection IP66

STANDARDS AND REGULATIONS

MBR is in conformity with RED directive 2014/53/EU

EMC	ETSI EN 301 843-1 ETSI EN 301 843-7 IEC 60945/EN 60945
Radio	ETSI EN 303 276
Product Safety	IEC 61010-1/EN 61010-1
Environmental	IEC 60945/EN 60945

¹⁾ Configurable range for the single 20 MHz channel

²⁾ Air convection required

Specifications subject to change without any further notice.

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